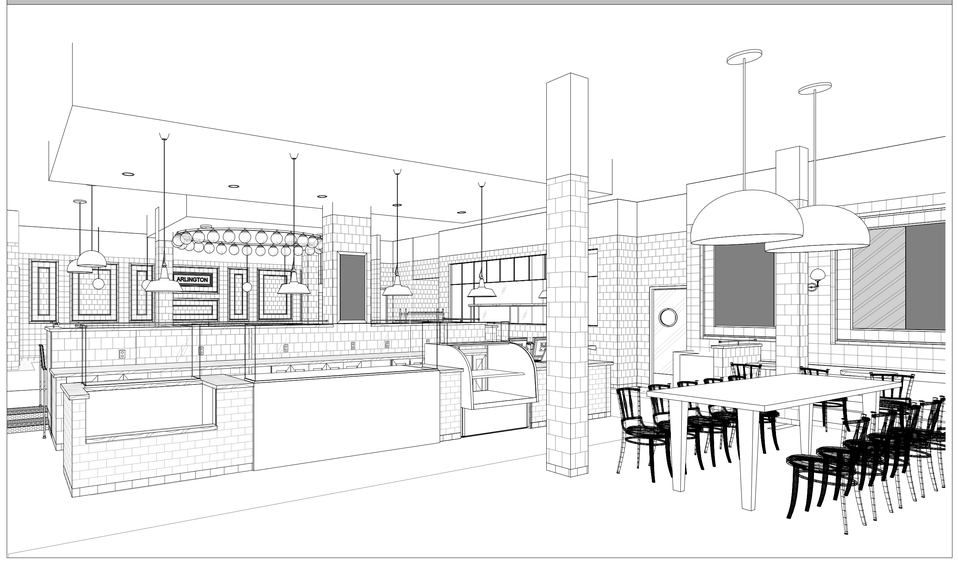
TATTE BAKERY

645 MASSACHUSETTS AVE, ARLINGTON, MA 02476

RENDERING



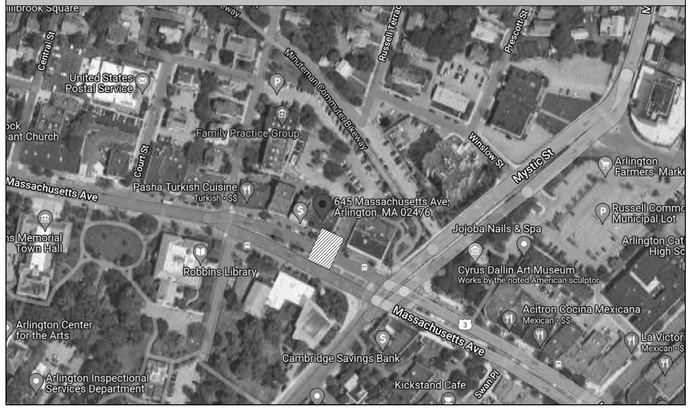
PROJECT DESCRIPTION

TENANT BUILD-OUT OF A NEW TATTE BAKERY, 2,755 +/- SF OF FRONT OF HOUSE SPACE, AND 2,907 +/- SF OF BACK OF HOUSE SPACE WITHIN EXISTING CORE AND SHELL SPACE. THE MAIN SPACE WILL INCLUDE CAFÉ DINING, PASTRY COUNTER AREA, BARISTA BAR, RESTROOMS, AND AUXILIARY SPACES. THE WORK WILL CONSIST OF NEW INTERIOR PARTITIONS, FINISHES AND NEW MEP THROUGHOUT TO CONNECT TO BUILDING SERVICES PROVIDED.

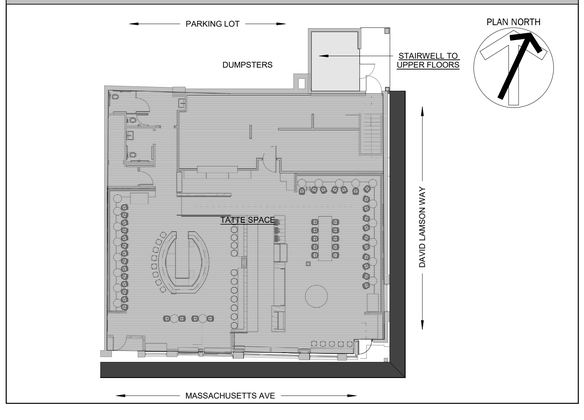
PROJECT DIRECTORY

CLIENT:	TZURIT OR TATTE BAKERY 101 MAIN STREET CAMBRIDGE, MA 02142 617.577.1111
ARCHITECT:	DAVID MCMAHON MCMAHON ARCHITECTS, INC. 535 ALBANY STREET BOSTON, MA 02118 617.482.5353
MEP ENGINEER:	ADAM KOVACH K2 ENGINEERING, INC. 43995 FALMOUTH COURT ASHBURN, VA 20147 703.675.6440
GENERAL CONTRACTOR:	CORNERSTONE D/B SERVICES, INC. 538 WILBUR AVE. SWANSEA, MA 02777 774.930.6595
KITCHEN EQUIPMENT CONTRACTOR:	JUSTIN VANNIER TRIMARK UNITED EAST 9 HAMPSHIRE ST MANSFIELD, MA 02048 774.340.7558
LANDLORD:	KEY WEST REALTY, LLC 63 TRAPELO ROAD BELMONT, MA 02478 CONTACT: RICHARD RAMSEY 617.840.7772

LOCUS MAP



KEY PLAN



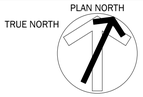
DRAWING LIST

	SHEET TITLE	ISSUED FOR PERMIT 2022-10-13
GENERAL		
0001	COVER SHEET	*
ARCHITECTURAL DRAWINGS		
A001	GENERAL NOTES, ABBREVIATIONS, LEGENDS, & MATRIX	*
A002	SPECIFICATIONS	*
A003	SPECIFICATIONS	*
A011	SCHEDULES, LEGENDS & ALTERNATES	*
A012	HARDWARE, DOOR SCHEDULE, ELEVATIONS & DETAILS	*
A013	WINDOW SCHEDULE, ELEVATIONS & DETAILS	*
A021	WALL TYPES	*
A022	FLOOR & CEILING DETAILS	*
A031	ADA SUMMARY, MOUNTING HEIGHTS	*
A040	EGRESS PLAN & CODE ANALYSIS - BASEMENT	*
A041	EGRESS PLAN & CODE ANALYSIS - FIRST FLOOR	*
ARCHITECTURAL DRAWINGS		
D100	DEMO KEYNOTE PLAN - BASEMENT	*
D101	DEMO KEYNOTE PLAN - FIRST FLOOR	*
D301	DEMO REFLECTED CEILING PLAN - FIRST FLOOR	*
ARCHITECTURAL DRAWINGS		
A100	KEYNOTE PLAN - BASEMENT	*
A101	KEYNOTE PLAN - FIRST FLOOR	*
A200	DIMENSION PLAN - BASEMENT	*
A201	DIMENSION PLAN - FIRST FLOOR	*
A300	REFLECTED CEILING PLAN - BASEMENT	*
A301	REFLECTED CEILING PLAN - FIRST FLOOR	*
A400	POWER PLAN - BASEMENT	*
A401	POWER PLAN - FIRST FLOOR	*
A501	FURNITURE & EQUIPMENT PLAN - FIRST FLOOR	*
A501A	PATIO PLAN	*
A600	FINISH PLAN - BASEMENT	*
A601	FINISH PLAN - FIRST FLOOR	*
A701	INTERIOR ELEVATIONS	*
A702	INTERIOR ELEVATIONS- RESTROOM	*
A801	EXTERIOR ELEVATIONS & DETAILS	*
A802	RENDERED EXTERIOR VIEWS	*
A901	ARCHITECTURAL DETAILS	*
A902	ARCHITECTURAL DETAILS- TILE	*
A903	ARCHITECTURAL DETAILS - STAIRS & RAMPS	*
A910	MILLWORK DETAILS- MAIN COUNTER	*
A911	MILLWORK DETAILS- MAIN COUNTER	*
A912	MILLWORK DETAILS- MAIN COUNTER	*
A913	MILLWORK DETAILS- BARISTA	*
A914	MILLWORK DETAILS- BARISTA	*
FOODSERVICE DRAWINGS		
QF001	FOODSERVICE GENERAL NOTES, LEGENDS, SHEET INDEX	*
QF100A	FOODSERVICE EQUIPMENT PLAN	*
QF100B	FOODSERVICE EQUIPMENT PLAN	*
QF101A	FOODSERVICE EQUIPMENT SCHEDULE	*
QF101B	FOODSERVICE EQUIPMENT SCHEDULE	*
QF102	FOODSERVICE PLUMBING AND ELECTRICAL SCHEDULES	*
QF200A	FOODSERVICE PLUMBING ROUGH-IN PLAN	*
QF200B	FOODSERVICE PLUMBING ROUGH-IN PLAN	*
QF300A	FOODSERVICE ELECTRICAL ROUGH-IN PLAN	*
QF300B	FOODSERVICE ELECTRICAL ROUGH-IN PLAN	*
QF400A	FOODSERVICE SPECIAL CONDITIONS PLAN	*
QF400B	FOODSERVICE SPECIAL CONDITIONS PLAN	*

DRAWING LIST

	SHEET TITLE	ISSUED FOR PERMIT 2022-10-13
MECHANICAL DRAWINGS		
M000	FAN SCHEDULES AND DETAILS	*
M001	BASEMENT MECHANICAL PLAN	*
M002	1ST FLOOR MECHANICAL PLAN	*
M003	MECHANICAL SCHEDULES AND DETAILS	*
M004	CODE VENTILATION CALCULATIONS	*
M005	HOOD SCHEDULES AND DETAILS	*
M006	HOOD SCHEDULES AND DETAILS	*
M007	HOOD SCHEDULES AND DETAILS	*
M008	FAN SCHEDULES AND DETAILS	*
M009	FAN SCHEDULES AND DETAILS	*
M010	FAN SCHEDULES AND DETAILS	*
M011	FAN SCHEDULES AND DETAILS	*
M012	FAN SCHEDULES AND DETAILS	*
M013	FAN SCHEDULES AND DETAILS	*
M014	FAN SCHEDULES AND DETAILS	*
MPD001	MECHANICAL AND PLUMBING BASEMENT FLOOR DEMOLITION PLAN	*
MPD002	MECHANICAL AND PLUMBING 1ST FLOOR DEMOLITION PLAN	*
ELECTRICAL DRAWINGS		
E000	ELECTRICAL LEGEND & SPECIFICATIONS	*
E001	BASEMENT LIGHTING PLAN	*
E002	BASEMENT POWER AND EQUIPMENT PLAN	*
E003	1ST FLOOR LIGHTING PLAN	*
E004	1ST FLOOR POWER PLAN	*
E005	1ST FLOOR EQUIPMENT PLAN	*
E006	ELECTRICAL SCHEDULES AND POWER RISER DIAGRAM	*
E007	ELECTRICAL SCHEDULES AND DETAILS	*
E008	LIGHTING COMPLIANCE CERTIFICATE	*
ED001	ELECTRICAL BASEMENT FLOOR DEMOLITION PLAN	*
ED002	ELECTRICAL 1ST FLOOR DEMOLITION PLAN	*
PLUMBING DRAWINGS		
P000	PLUMBING LEGEND AND SPECIFICATIONS	*
P001	BASEMENT WATER AND GAS PIPING PLAN	*
P002	BASEMENT WASTE AND VENT PIPING PLAN	*
P003	1ST FLOOR WATER AND GAS PIPING PLAN	*
P004	1ST FLOOR WASTE AND VENT PIPING PLAN	*
P005	PLUMBING RISER DIAGRAMS	*
P006	PLUMBING RISER DIAGRAMS	*
P007	PLUMBING SCHEDULES AND DETAILS	*
FIRE ALARM DRAWINGS		
FA000	FIRE ALARM LEGEND AND SPECIFICATIONS	*
FA001	BASEMENT AND 1ST FLOOR FIRE ALARM PLANS	*
FIRE PROTECTION DRAWINGS		
FP1	FIRE PROTECTION SPRINKLER PLAN	*
FP2	FIRE PROTECTION SPRINKLER PLAN	*

NORTH ARROWS:



ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

McMahon architects
535 ALBANY STREET
BOSTON, MA 02118
T 617.482.5353
www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE,
ARLINGTON, MA 02476

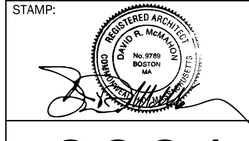
PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: KT
CHECKED BY: AV
JOB NO: 2022-3904

SHEET TITLE:

COVER SHEET

STAMP:



0001

GENERAL CONSTRUCTION NOTES

1. THE GENERAL NOTES & CONSTRUCTION DOCUMENTS HEREWITH SHALL APPLY TO THE WORK OF THIS PROJECT, & SHALL BE CAREFULLY REVIEWED BY THE GENERAL CONTRACTOR & ALL OF HIS OR HER SUB-CONTRACTORS. THE GENERAL CONTRACTOR SHALL SUPPLY THE SUB-CONTRACTOR W/ COMPLETE SETS OF DRAWINGS. ANY CONFLICTS AND/OR DISCREPANCIES BETWEEN TRADES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR RESOLUTION.
2. EXISTING CONDITIONS: BEFORE BIDDING, THE CONTRACTOR SHALL VISIT THE JOB SITE & ASCERTAIN ALL EXISTING CONDITIONS WHICH WILL AFFECT HIS WORK. FAILURE TO DO SO WILL NOT BE ACCEPTED AS A REASON FOR REQUESTING EXTRA PAYMENT WHEN THE EXISTING CONDITIONS RESULT IN EXTRA LABOR AND/OR MATERIALS. ANY EXISTING CONDITIONS FOUND BY THE CONTRACTOR WHICH WILL ADVERSELY AFFECT THE WORK SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. CORRECTION OF ANY DEFECTS SHALL BE COMPLETELY ASSESSED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENTS OR REPAIR OF ANY OTHER PARTS OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
3. WRITTEN DIMENSIONS & NOTES ARE TYPICAL FOR SIMILAR CONDITIONS, UNLESS NOTED IN THE CONSTRUCTION DOCUMENTS. ALL DIMENSIONS & CONDITIONS SHOWN ON THE DRAWINGS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING OR COMMENCING WITH ANY WORK.
   DO NOT SCALE THESE DRAWINGS AS THE PRINTING PROCESS MAY DISTORT THE SCALE.
4. THE GENERAL CONTRACTOR & ALL APPLICABLE SUB-CONTRACTORS SHALL FURNISH & BE SOLELY RESPONSIBLE FOR ALL TEMPORARY BRACING & SHORING REQUIRED TO MAINTAIN THE PLUMB-NESS & STABILITY OF ALL STRUCTURAL ELEMENTS. THIS SHALL APPLY EVEN TO THOSE STRUCTURAL MEMBERS NOT SHOWN ON THE DRAWING. SHORING & TEMPORARY BRACING SHOP DRAWINGS & LOAD CALCULATIONS SHALL BE DESIGNED BY A LICENSED STRUCTURAL ENGINEER.
5. NO STRUCTURAL MEMBER SHALL BE CUT, REMOVED, OR MODIFIED (UNLESS SPECIFIED IN THE CONSTRUCTION DOCUMENTS) WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR HIS/HER ENGINEER.
6. ALL EXISTING DISTURBED OR DAMAGED SURFACES (I.E. DRYWALL, STUCCO, PAINT, ETC.) WITHIN THE AREA OF CONSTRUCTION, SHALL BE REPAIRED, AS NECESSARY, TO MATCH EXISTING FINISHES.
7. THESE DRAWINGS & SPECIFICATIONS ARE INSTRUMENTS OF CONSTRUCTION & REMAIN THE PROPERTY OF THE ARCHITECT. ANY REPRODUCTION OF SAID DRAWINGS, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT IS STRICTLY PROHIBITED BY COPYRIGHT PROTECTION LAWS.
8. PLANS: DRAWINGS ARE DIAGRAMS INTENDED TO DEPICT APPROXIMATE EQUIPMENT LOCATIONS & ARRANGEMENTS. WHERE MANUFACTURER'S NAMES & PRODUCT NUMBERS ARE INDICATED ON THE DRAWINGS, IT SHALL BE CONSTRUED TO MEAN THE ESTABLISHING OF QUALITY & PERFORMANCE STANDARDS OF SUCH ITEMS. ALL OTHER PRODUCT SUBSTITUTIONS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL. WHERE THERE IS A CONFLICT BETWEEN SPECIFICATIONS & DRAWINGS, THE SPECIFICATIONS SHALL TAKE PRECEDENCE OVER THE DRAWINGS.
9. ALL TRADES SHALL BE RESPONSIBLE FOR REVIEWING THE ENTIRE SET OF CONSTRUCTION DRAWINGS FOR ANY APPLICABLE WORK. CHANGE ORDERS FOR WORK DEPICTED ANYWHERE IN THE SET OF CONSTRUCTION DRAWINGS SHALL NOT BE ALLOWED.
10. ALL PRODUCTS USED SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS & THE BEST PRACTICES OF THE TRADE.
11. THE CONTRACTOR SHALL FOLLOW ALL BUILDING MANAGEMENT AND/OR MUNICIPAL RULES & REGULATIONS INCLUDING BUT NOT LIMITED TO RULES REGARDING BARRICADES, DELIVERIES, PARKING, WORK HOURS, NOISE, & BEHAVIOR.
12. THE GENERAL CONTRACTOR SHALL COORDINATE HIS OR HER SCHEDULE W/ THOSE OF THE OWNER'S SEPARATE CONTRACTS (IF ANY) INCLUDING, BUT NOT LIMITED TO:
    -SECURITY & ALARM INSTALLER
    -I.T. WIRING & TERMINATION DEVICE INSTALLER
    -SYSTEMS FURNITURE INSTALLER
13. ALL LIFE SAFETY EQUIPMENT SHOWN ON THESE CONSTRUCTION DRAWINGS ARE THE MINIMUM REQUIRED TO MEET ALL APPLICABLE BUILDING CODES. PRIOR TO PROVIDING PRICING, ALL CONTRACTORS SHALL MEET W/ THE LOCAL AUTHORITIES TO CONFIRM THAT THE QUANTITIES ARE ACCEPTABLE. CHANGE ORDERS WILL NOT BE APPROVED FOR ADDITIONAL LIFE SAFETY REQUESTED BY THE LOCAL AUTHORITIES ABOVE THOSE REQUIRED BY APPLICABLE CODES & STANDARDS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING DAMAGED SPRAY-ON FIREPROOFING FROM DISTURBED STRUCTURAL STEEL, DECKING, & ETC.
15. THE CONTRACTOR IS TO MAINTAIN A COMPLETE & UP TO DATE SET OF DRAWINGS ON THE JOB SITE AT ALL TIMES INCLUDING THE CONTRACT DOCUMENTS, ALL ADDENDUMS, BULLETINS, SKETCHES, & SHOP DRAWINGS.
16. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY ERRORS, OMISSIONS, CONFLICTS, OR AMBIGUITIES IN & BETWEEN THE PLANS & SPECIFICATIONS PRIOR TO PROCEEDING W/ THAT PORTION OF THE WORK. IF SUCH NOTICE IS NOT FURNISHED TO THE ARCHITECT, THE CONTRACTOR SHALL BE DEEMED TO HAVE INSPECTED THE PLANS, DRAWINGS, & SPECIFICATIONS & TO HAVE FOUND THEM IN PROPER FORM FOR EXECUTION.
17. ALL EXISTING CORE WALLS & PERIMETER WALLS, COLUMNS, & ANY & ALL EXISTING WALLS TO REMAIN ARE TO BE FIELD INSPECTED BY THE CONTRACTOR AT THE TIME OF BID & ALL COSTS TO PATCH & REPAIR ALL MENTIONED ITEMS TO A SMOOTH SURFACE FOR FINISHING ARE TO BE INCLUDED AT THE TIME OF BID. UNFINISHED OR BADLY DAMAGED CORE WALLS, COLUMNS, & MASONRY WALL SURFACES TO BE LAMINATED OR FURRED TIGHT W/ 5/8" GWB TO 6" ABOVE ADJACENT CEILING & TAPED & SPACKLED & READY FOR FINISHES, UNLESS OTHERWISE NOTED.
18. CONTRACTOR TO FIELD INSPECT EXISTING FLOOR SLAB CONDITIONS TO DETERMINE IF ANY FLOOR LEVELING IS REQUIRED AND SHALL INFORM THE ARCHITECT OF ANY WORK THAT WILL BE REQUIRED & INCLUDE COSTS @ THE TIME OF BID. ALL FLOORS SHALL BE LEVEL TO 3/16" IN 10'-0".
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL TRADES AND MATERIALS, WHETHER UNDER THE CONTRACT OR APPROVED BY THE OWNER.
20. ALL WORK THAT AFFECTS ADJACENT TENANT'S SPACES SHALL BE PERFORMED AFTER HOURS ONLY. THE G.C./CONTRACTORS SHALL VERIFY ALL CONDITIONS & COORDINATE ALL WORK W/ BUILDING MANAGEMENT & TENANT PRIOR TO ANY WORK. PROVIDE A MINIMUM OF 48 HOURS NOTICE TO MANAGEMENT & TENANT. ADJACENT TENANT SPACES MUST BE PROTECTED & KEPT CLEAN AT ALL TIMES. SPACES MUST RETURN TO SAME OPERATIONAL/WORKING CONDITIONS BEFORE THE START OF THE NEXT BUSINESS DAY AFTER WORK IS COMPLETED EACH DAY. ALL WORK THAT AFFECTS THE TENANT'S SPACE BELOW SHALL BE PATCHED, REPAIRED, AND OR CONSTRUCT NEW AND FINISH TO MATCH EXISTING. NEW FINISH MATERIAL MUST BE ORDERED AND READY TO BE INSTALLED PRIOR TO THE BEGINNING OF WORK. G.C./CONTRACTORS ARE REQUIRED TO TAKE PHOTOGRAPHS OF THE ADJACENT TENANT'S SPACES, BEFORE, DURING & AFTER WORK IS COMPLETED.
21. THE GENERAL CONTRACTOR SHALL KEEP A FULL TIME SUPERINTENDENT ON SITE AT ALL TIMES DURING THE CONSTRUCTION PROCESS, INCLUDING COMPLETION OF THE PUNCH LIST THROUGH OWNER POSSESSION. THIS SHALL INCLUDE "OFF HOURS" WORK.
22. THE GENERAL CONTRACTOR SHALL LAYOUT & PRINT ON THE FLOOR, THE LOCATION OF ALL WALLS, CEILING RECESSES, LIGHT FIXTURES, DIFFUSERS, AND GRILLES IN THE AREA OF WORK FOR APPROVAL BY THE OWNER'S CONSULTANTS & ARCHITECT PRIOR TO COMMENCEMENT OF WORK

    <u>DEMOLITION GENERAL NOTES:</u>

23. THE GENERAL CONTRACTOR SHALL FILL HOLES & SAND EXISTING WALLS TO REMAIN TO SMOOTH, PAINTABLE FINISH.
24. UPON COMPLETION OF DEMOLITION, GENERAL CONTRACTOR SHALL PERFORM A FIELD SURVEY TO CONFIRM ALL DIMENSIONS AS INDICATED IN THE DRAWINGS. THIS SURVEY SHALL BE PROVIDED TO THE ARCHITECT FOR REVIEW AND APPROVAL.
25. CARE IS TO BE TAKEN NOT TO DISTURB OR DEMOLISH ANY EXISTING WORK TO REMAIN OR WHICH MAY AFFECT THE USE OR OPERATION OF ANY OTHER TENANT OR SPACE. ANY SUCH DAMAGE OR REMOVAL OF MATERIALS IS TO BE REPORTED TO THE ARCHITECT & BUILDING MANAGER & SHALL BE IMMEDIATELY REPAIRED OR REPLACED AT THE SOLE COST OF THE GENERAL CONTRACTOR.

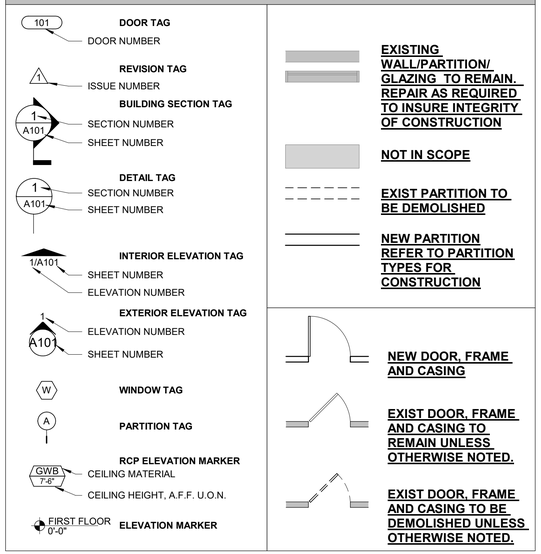
    <u>PLAN GENERAL NOTES:</u>

26. ALL PAINTED WALLS TO BE LEVEL 4 FINISH. REFER TO MANUFACTURER'S RECOMMENDATION FOR GWB FINISH LEVEL FOR ALL OTHER WALL FINISHES. REFER TO GYPSUM ASSOCIATION GA-214-10 "RECOMMENDED LEVELS OF GYPSUM BOARD FINISH" FOR ALL FINISH LEVEL DEFINITIONS.
27. THE ARCHITECTURAL REFLECTED CEILING PLAN SUPERCEDES THE ENGINEER'S PLAN FOR QUANTITY AND LOCATION OF LIGHTING FIXTURES. THE GENERAL CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT.
28. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE CONTENTS & CONDITION OF ALL LIGHTING PACKAGES IMMEDIATELY UPON DELIVERY TO THE SITE. ANY DISCREPANCIES BETWEEN THE PACKAGE & THE FIXTURE SCHEDULE & LIGHTING SUBMITTAL SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT.
29. PROVIDE FIRE RETARDANT WOOD BLOCKING ABOVE CEILING AS REQUIRED.
30. UNLESS NOTED OTHERWISE, THE POWER PLAN INDICATES NEW TEL/DATA/POWER DEVICES ONLY. THE GENERAL CONTRACTOR SHALL COORDINATE ON SITE THE LOCATIONS OF ALL ITEMS EXISTING TO REMAIN AND/OR TO BE DEMOLISHED.
31. ALL EXISTING DEVICES NOT DESIGNATED FOR DEMOLITION, SHALL BE REUSED. THE GENERAL CONTRACTOR SHALL TEST ALL ELECTRICAL DEVICES TO BE REUSED & SHOULD REPAIR OR REPLACE AS REQUIRED.
32. ALL POWER, TEL/DATA, & A/V DEVICE COVERS SHALL MATCH IN COLOR.
33. THE FURNITURE LAYOUT SHOWN IS FOR INFORMATION ONLY. ALL FURNITURE SHALL BE PROVIDED BY THE VENDOR/TENANT UNLESS OTHERWISE NOTED. COORDINATE LOCATION OF FURNITURE FEEDS W/ VENDOR/TENANT & ARCHITECT PRIOR TO INSTALLATION.
34. ALL EQUIPMENT, APPLIANCES, PLUMBING FIXTURES, & ALL ASSOCIATED ASSEMBLIES SHALL BE PROVIDED & INSTALLED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED. THE GENERAL CONTRACTOR SHALL COORDINATE ALL POWER, ELECTRICAL & PLUMBING REQUIREMENTS W/ THE MANUFACTURER'S SPECIFICATIONS. REFER TO THE POWER PLAN FOR ADDITIONAL INFORMATION.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AD	ACCESS DOOR
AP	ACCESS PANEL
ACT	ACOUSTIC CEILING TILE
ACPLAS	ACOUSTICAL PLASTER
AC A/C	AIR CONDITIONING
ACCU	AIR CONDITIONING CONDENSER UNIT
AH	AIR HANDLER
AL	ALUMINUM
AB	ANCHOR BOLT
ANOD	ANODIZED
APP	APPROXIMATELY
ARCH	ARCHITECTURAL
BRG	BEARING
BD	BOARD
BLP	BORROWED LIGHT PANEL
BS	BOTH SIDES
BOT	BOTTOM
BO	BOTTOM OF
BOX	BOTTOM OF CHORD EXTENSION
BOF	BOTTOM OF FOOTING
BOS	BOTTOM OF STEEL
BSE	BRICK SHELF ELEVATION
BRDG	BRIDGING
BLDG	BUILDING
CUH	CABINET UNIT HEATER
CB	CATCH BASIN; CHAULKBOARD
CLG	CEILING
CEM BD	CEMENTITIOUS BACKER BOARD
C	CENTER LINE
CT	CERAMIC TILE
C	CHANNEL
CLR	CLEARANCE
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CONT	CONTINUOUS
CJ	CONTROL JOINT; CONSTRUCTION JOINT
CFM	CUBIC FEET PER MINUTE
DEMO	DEMOLITION
DTL	DETAIL
DIM	DIMENSION
DW	DISHWASHER
DBL	DOUBLE
DN	DOWN
DWG	DRAWING
EA	EACH
EW	EACH WAY
EO	EDGE OF
EOD	EDGE OF DECK
EOS	EDGE OF STEEL
EWC	ELECTRIC WATER COOLER
ELEC	ELECTRICAL
EL	ELEVATION
ENG	ENGINEER
EQ	EQUAL
EF	EXHAUST FAN; EACH FACE
EX	EXISTING TO REMAIN
EXP	EXPANSION
EJ	EXPANSION JOINT
EXT	EXTERIOR
FOF	FACE OF FINISH
FOS	FACE OF STUD
FOW	FACE OF WALL
FS	FAR SIDE
FRP	FIBERGLASS REINFORCED PLASTIC
FIN	FINISHED
FF	FINISHED FLOOR; FAR FACE
FE	FIRE EXTINGUISHER
FB	FLAT BAR
FCO	FLOOR CLEAN-OUT
FD	FLOOR DRAIN
FTG	FOOTING
FO	FRAMED OPENING
FBO	FURNISHED BY OTHERS
GALV	GALVANIZED
GA	GAUGE
GC	GENERAL CONTRACTOR
GB	GRAB BAR
GDT	GYPSUM DROP-IN TILE
GWB	GYPSUM WALL BOARD
HC	HANDICAPPED
H&V	HEATING AND VENTILATION
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING
HT	HEIGHT
HP	HIGH POINT
HM	HOLLOW METAL
HORZ	HORIZONTAL
IMP	IMPACT RESISTANT
ID	INSIDE DIAMETER
IF	INSIDE FACE
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
K	KIPS
L	ANGLE
LAM	LAMINATE
LAV	LAVATORY
LCC	LEAD CRAFTED COPPER
LH	LEFT HAND
LP	LIGHTING PANEL; LOW POINT
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LINO	SHEET LINOLEUM
MUA	MAKE-UP AIR
MFR	MANUFACTURER
MB	MARKER BOARD
MO	MASONRY OPENING
ME	MATCH EXISTING
MAX	MAXIMUM
MECH	MECHANICAL
MDO	MEDIUM DENSITY OVERLAY
MTL	METAL
MIN	MINIMUM
MR	MOISTURE RESISTANT
NS	NEAR SIDE
N	NOSING
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OPP	OPPOSITE
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OA	OVERALL
OH	OVERHEAD; OPPOSITE HAND
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PTD	PAINTED
PNL	PANEL
PERF	PERFORATED
PERP	PERPENDICULAR
PLAM	PLASTIC LAMINATE
PL	PLATE
PVC	POLYVINYL CHLORIDE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PP	POWER PANEL
PC	PRECAST
PT	PRESSURE TREATED
PA	PUBLIC ADDRESS
RU	EXISTING TO BE RELOCATED
RAD	RADIATOR
RCP	REFLECTED CEILING PLAN
REINF	REINFORCED
REQ'D	REQUIRED
RB	RESILIENT BASE
RH	RIGHT HAND
R	RISER; RADIUS
RD	ROOF DRAIN
RTU	ROOFTOP UNIT
RO	ROUGH OPENING
RR	RUB RAIL
SN	SANITARY NAPKIN (DISPENSER)
SECT	SECTION
SK	SHEAR KEY
SIM	SIMILAR
SC	SOLID CORE
SP	SPECIAL
SPEC	SPECIFICATIONS
SF	SQUARE FOOT; SUPPLY FAN
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
SB	STONE BASE
SACT	SUSPENDED ACOUSTIC CEILING TILE
TB	TACKBOARD
TEL	TELEPHONE
TEMP	TEMPERED
TBM	TEMPORARY BENCHMARK
THK	THICK
TJ	TIE JOIST
TBD	TO BE DETERMINED
T&G	TONGUE AND GROOVE
T&B	TOP AND BOTTOM
TCE	TOP CHORD EXTENSION
TO	TOP OF
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOM	TOP OF MASONRY
TOP	TOP OF PIER
TOS	TOP OF STEEL; TOP OF SLAB
TOW	TOP OF WALL
T	TREADS
TS	TUBE STEEL
TYP	TYPICAL
UL	UNDERWRITERS LABORATORY
UH	UNIT HEATERS
UNO	UNLESS NOTED OTHERWISE
V	VENT PIPE
VTR	VENT THROUGH ROOF
VIF	VERIFY IN FIELD
VERT	VERTICAL
VEST	VESTIBULE
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VWC	VINYL WALLCOVERING
VP	VISION PANEL
WC	WATER CLOSET
WH	WATER HEATER
WS	WEB STIFFENER
WWM	WELDED WIRE MESH
WF	WIDE FLANGE
W/	WITH
W/O	WITHOUT
WD	WOOD
WP	WORKING POINT
XD	EXISTING TO BE DEMOLISHED

ARCHITECTURAL SYMBOLS LEGEND



MILLWORK RESPONSIBILITY MATRIX

ITEM	FURNISHED BY	INSTALLED BY	COMMENTS
BARISTA			
STAINLESS STEEL COUNTERTOP	OWNER VENDOR	GC	
CABINETS	OWNER VENDOR	GC	TILE AT TOE KICK BY GC. SEE DETAILS ON SHEET SERIES A900 FMI.
DIE WALL	GC	GC	REFER TO PLANS. SHEATHING, BLOCKING, AND METAL STUDS BY GC.
WOOD COUNTER TOP	OWNER VENDOR	GC	
WOOD DIE WALLS	OWNER VENDOR	GC	
MAIN SERVICE LINE			
CABINETS	OWNER VENDOR	GC	TILE AT TOE KICK BY GC. SEE DETAILS ON SHEET SERIES A900 FMI.
DIE WALL	GC	GC	REFER TO PLANS. SHEATHING, BLOCKING, AND TILE BY GC.
STONE COUNTER TOP	OWNER/GC	GC	CONFIRM FINAL SPECIFICATION WITH OWNER. STONE FURNISHED BY OWNER AND FABRICATED BY GC. GC TO PROVIDE CLIENT WITH SLAB QUANTITY.
SNEEZE GUARDS	GC	GC	COORDINATE FINAL LENGTHS WITH OWNER IN FIELD
FOUND PIECE	OWNER VENDOR	GC	FOUND PIECE TO BE VERIFIED PRIOR TO SHOP DRAWING RELEASE FOR FINAL COORDINATION
STONE COUNTERTOP BRACKET SUPPORTS	GC	GC	REFER TO MISC. SCHEDULE FMI.
MISC.			
WALL MOUNTED WOOD SHELVING	OWNER VENDOR	GC	
WALL MOUNTED SHELVING IN-WALL BRACKETS	GC	GC	REFER TO MISC. SCHEDULE FMI.
DRINK RAIL POSTS & SUBTOP	OWNER VENDOR	GC	
DRINK RAIL STONE COUNTERTOP	OWNER/GC	GC	CONFIRM FINAL SELECTION WITH OWNER. STONE FURNISHED BY OWNER AND FABRICATED BY GC. GC TO PROVIDE CLIENT WITH SLAB QUANTITY
CABINETRY PULLS	OWNER VENDOR	GC	
MARBLE WALL CAPS	OWNER/GC	GC	CONFIRM FINAL SELECTION WITH OWNER. STONE FURNISHED BY OWNER AND FABRICATED BY GC. GC TO PROVIDE CLIENT WITH SLAB QUANTITY
WINDOWS			
KITCHEN AND PASS WINDOWS	OWNER VENDOR	GC	GC TO PROVIDE MILLWORKER WITH FINAL ROUGH OPENING SIZES PRIOR TO FABRICATION. COORDINATE WITH FINAL KEC DRAWINGS. REFER TO A013 FMI

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

McMahon architects
535 ALBANY STREET
BOSTON, MA 02118
T 617.482.5353
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JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: KG
CHECKED BY: AV
JOB NO: 2022-3904

SHEET TITLE:

GENERAL NOTES, ABBREVIATIONS, LEGENDS, & MATRIX

STAMP:

REGISTERED ARCHITECT DAVID R. McMAHON No. 9789 BOSTON MA COMMONWEALTH OF MASSACHUSETTS

A001

00700 GENERAL CONDITIONS

1. GENERAL REQUIREMENTS:
   A. THE CONTRACTOR IS TO GIVE HIS PERSONAL SUPERINTENDENCE AND DIRECTION TO THE WORK AND IS TO FURNISH ALL TRANSPORTATION, LABOR, MATERIALS, APPARATUS, SCAFFOLDING AND ALL UTENSILS NEEDED FOR THE PERFORMANCE MEANING OF THESE SPECIFICATIONS AND PLANS.
2. PERMITS, LICENSES AND LIABILITIES: THE CONTRACTOR SHALL GIVE TO THE PROPER AUTHORITIES ALL NOTICES RELATING TO HIS WORK, OBTAIN PERMITS AS REQUIRED AND ALL LICENSES, CARRY SATISFACTORY COMPENSATION AND PUBLIC LIABILITY, SOCIAL SECURITY INSURANCE AND PROPERTY DAMAGE AND BE LIABLE FOR ANY ACCIDENTS FROM EITHER CONTRACTS, HIS SUBCONTRACTORS, OR EXTRA WORK DONE UNDER HIS CHARGE.
3. EXTRAS: CHARGES FOR EXTRA WORK DONE BY THE CONTRACTOR WILL NOT BE HONORED UNLESS THE WORK AND THE AMOUNT ARE AGREED TO BY THE TENANT IN WRITING BEFORE THE WORK IS DONE, BASED UPON UNIT PRICING. ALL CORRESPONDENCE INCLUDING, BUT NOT LIMITED TO, REQUESTS FOR SUBSTITUTION AND CHANGE ORDERS MUST BE DIRECTED TO THE ARCHITECT FOR REVIEW AND DISTRIBUTION.
4. INSPECTIONS: AS REQUIRED BY CODE, EACH CONTRACTOR AND EACH SUBCONTRACTOR SHALL OBTAIN REQUIRED INSPECTION OF THAT PORTION OF WORK.
5. RELEASE OF LIENS: THE CONTRACTOR SHALL PROVIDE CONTRACTOR'S AFFIDAVIT OF PAYMENT OF DEBTS AND CLAIMS IN FORM OF RELEASE OF LIENS AFFIDAVIT WITH EACH REQUISITION REPRESENTING WITH CONTRACTOR'S COMPANY, MATERIAL SUPPLIERS AND SUBCONTRACTORS ALONG WITH AFFIDAVITS OF WARRANTY.

01010 GENERAL

1. DEFINITIONS:
   A. LANDLORD: KEY WEST REALTY, LLC. 63 TRAPELO ROAD, BELMONT, MA 02478
   B. CLIENT: TZURIT OR TATTE BAKERY, 101 MAIN STREET, CAMBRIDGE, MA 02142
   C. ARCHITECT: MCMAHON ARCHITECTS INC., 535 ALBANY STREET, BOSTON MA 02118
2. BUILDING OCCUPANCY: THE BUILDING IN WHICH THIS PROJECT IS TO BE CONSTRUCTED IS OCCUPIED AND WILL REMAIN OCCUPIED FOR THE DURATION OF THE WORK. TAKE ALL NECESSARY PRECAUTIONS TO ENSURE THE SAFETY OF THE OCCUPANTS. GIVE ADEQUATE PRIOR NOTICE TO THE LANDLORD AND THE TENANT PRIOR TO DISCONNECTING OR INTERRUPTING ANY BUILDING SERVICES.
3. COORDINATION WITH WORK BY OTHERS: COORDINATE THE WORK OF THIS CONTRACT WITH WORK TO BE PERFORMED SEPARATELY BY THE LANDLORD AND TENANT IN ORDER TO FACILITATE TIMELY COMPLETION OF THE ENTIRE PROJECT.
4. EXISTING UTILITIES: DO NOT SHUT OFF SERVICES TO THE BUILDING OR OTHER TENANTS, INCLUDING BUT NOT LIMITED TO HVAC, WATER, FIRE SAFETY SYSTEMS, AND ELECTRICAL SERVICE, WITHOUT OBTAINING PRIOR PERMISSION AND GIVING ADEQUATE NOTICE TO THE LANDLORD AND TENANT. OBTAIN PERMISSION FROM LANDLORD, TENANT AND, IF NECESSARY, FROM UTILITY COMPANY.
5. SCHEDULE OF VALUES: COORDINATE WITH TENANT.
6. APPLICATIONS FOR PAYMENT: SUBMIT APPLICATIONS MONTHLY ON AIA FORM G702/G703. PROVIDE ALL SUPPORTING DOCUMENTATION INCLUDING, WITHOUT LIMITATION, WAIVERS OF LIEN OR OTHER EVIDENCE THAT PAYMENTS TO SUBCONTRACTORS AND SUPPLIERS ARE CURRENT.
7. CONTRACTOR IS RESPONSIBLE FOR ALL PATCHING, PAINTING, AND REPAIR OF ALL EXISTING PARTITIONS, FLOORS, AND CEILING UNLESS OTHERWISE INDICATED IN THE SPECIFICATIONS OR CONSTRUCTION DOCUMENTS.

01060 REGULATORY REQUIREMENTS

1. CODES AND STANDARDS:
   A. WHERE REFERENCES ARE MADE ON DRAWINGS OR IN SPECIFICATION TO CODES, THEY SHALL BE CONSIDERED AN INTEGRAL PART OF CONTRACT DOCUMENTS AS THOUGH REPRODUCED THEREIN. NOTHING CONTAINED IN THE CONTRACT DOCUMENTS SHALL BE SO CONSTRUED AS TO BE IN CONFLICT WITH ANY LAW, BY-LAW, OR REGULATION OF THE MUNICIPAL, STATE, FEDERAL OR OTHER AUTHORITIES HAVING JURISDICTION.
   PERFORM WORK IN COMPLIANCE WITH ALL STATE, LOCAL OR FEDERAL REGULATIONS GOVERNING THE WORK OF THIS CONTRACT. STATE BUILDING CODE IS MINIMUM REQUIREMENT. WHERE SPECIFICATIONS AND DRAWINGS EXCEED CODE REQUIREMENTS, SPECIFICATIONS AND DRAWINGS SHALL TAKE PRECEDENCE.

01300 SUBMITTALS

1. PRODUCT DATA, SHOP DRAWINGS, AND SAMPLES TO BE SUBMITTED FOR MCMAHON ARCHITECTS, INC. REVIEW INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: FINISHES, DOORS, FRAMES, HARDWARE, MILLWORK, APPLIANCES, M/E/P, ETC. MCMAHON ARCHITECTS, INC. AND THE PROJECT ENGINEER WILL REVIEW REQUIRED SUBMITTALS FOR CONFORMANCE WITH THE DESIGN CONCEPT AND WITH OTHER INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. NO SUBSTITUTIONS SHALL BE ALLOWED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT.
2. IF THE CONTRACTOR AND SUB-CONTRACTORS HAVE IDEAS AS TO A MORE COST-EFFECTIVE APPROACH FOR THE CONSTRUCTION OF ANY OF THE PARTS OF THIS PROJECT, THAT MAINTAIN THE INTEGRITY OF THE DESIGN, THEY SHOULD SUBMIT THEM TO MCMAHON ARCHITECTS, INC. AND THE CLIENT FOR CONSIDERATION.
3. NOTIFY THE ARCHITECT AND THE CLIENT, IN WRITING, AT TIME OF SUBMISSION, OF ANY DEVIATION FOR THE CONTRACT DOCUMENTS.

01500 TEMPORARY FACILITIES & CONTROLS

1. ENCLOSURE: DURING CONSTRUCTION, ENCLOSE THE WORK AREA WITH SUITABLE BARRIERS TO CONTAIN DUST AND CONSTRUCTION DEBRIS, AND TO PREVENT UNAUTHORIZED ENTRY. COORDINATE TEMPORARY BARRIER WITH THE BUILDING MANAGEMENT
2. ELECTRICAL SERVICE AND LIGHTING: PROVIDE TEMPORARY DISTRIBUTION CIRCUITS AND WIRING; PROVIDE TEMPORARY LIGHTING AS NECESSARY FOR CONSTRUCTION AND ADEQUATE TO PERMIT MCMAHON ARCHITECTS, INC. OR THE TENANT/CLIENT TO JUDGE THE QUALITY OF THE FINISHED WORK.
3. HVAC: IF BUILDING VENTILATION SYSTEM IS IN OPERATION DURING CONSTRUCTION, PROVIDE TEMPORARY FILTERS IN FRONT OF EACH EXHAUST REGISTER. REPLACE FILTERS AT COMPLETION OF CONSTRUCTION.
4. SECURITY: TAKE RESPONSIBILITY FOR SECURITY OF THE WORK AREA. LOCK UP THE WORK AREA AT END OF EACH DAY'S WORK.
5. BARRICADES AND SIGNS; PLACE SUITABLE BARRICADES AND POST SIGNS AS REQUIRED TO DIRECT PEOPLE AROUND THE WORK AREA AND TO WARN THEM OF HAZARDS.
6. CLEANING: CLEAN THE SITE DAILY TO KEEP THE SITE, AND ADJACENT AREAS FREE FROM ACCUMULATION OF WASTE MATERIALS, RUBBISH AND DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS. COMPLY WITH APPLICABLE CODES, ORDINANCES, REGULATIONS AND ANTI-POLLUTION LAWS. DISPOSAL CAN NOT BE PERFORMED AFTER 8:00 A.M. AND BEFORE 6:00 P.M. UNLESS OTHERWISE INDICATED. COORDINATE DISPOSAL WITH THE LANDLORD AND THE CLIENT.

01630 PRODUCTS

1. FURNISH ONLY PRODUCTS THAT ARE INTENDED AND RECOMMENDED BY THE MANUFACTURER FOR USE UNDER THE PROJECT CONDITIONS.
2. FOR PRODUCTS SPECIFIED BY NAME AND MANUFACTURER, FURNISH NAMED PRODUCT, OR SUBMIT A WRITTEN REQUEST FOR SUBSTITUTION.
3. WHEN PROPOSING A SUBSTITUTION FOR A NAMED PRODUCT, PROVIDE SUFFICIENT INFORMATION TO ENABLE MCMAHON ARCHITECTS, INC. TO MAKE A COMPARISON OF THE PROPOSED PRODUCT WITH THE PRODUCT SPECIFIED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION REQUIRED TO INTEGRATE THE SUBSTITUTED PRODUCT WITH THE REST OF THE WORK, AND SHALL BEAR ANY INCIDENTAL COSTS (SUCH AS ADDITIONAL CUTTING, PATCHING, FITTING, OR MATCHING, OR MODIFICATIONS TO ADJACENT WORK) ARISING FROM THE SUBSTITUTION.

01700 PROJECT CLOSEOUT

1. SUBSTANTIAL COMPLETION:
   A. WHEN CONTRACTOR CONSIDERS WORK SUBSTANTIALLY COMPLETE, HE SHALL NOTIFY THE ARCHITECT AND THE CLIENT.
   B. CONTRACTOR SHALL LIST ITEMS TO BE COMPLETED OR CORRECTED.
   C. WITHIN FIVE BUSINESS DAYS OF NOTIFICATION OF SUBSTANTIAL COMPLETION, THE CLIENT AND MCMAHON ARCHITECTS, INC. SHALL INSPECT WORK TO DETERMINE STATUS ON COMPLETION AND SUBMIT A PUNCH LIST REPORTING ANY INCOMPLETE OR UNACCEPTABLE ITEMS TO CONTRACTOR.
   D. CONTRACTOR SHALL REMEDY DEFICIENCIES IN WORK AND RE-NOTIFY ALL WITHIN TEN BUSINESS DAYS OF RECEIPT OF PUNCH-LIST.
2. INSPECTIONS: CONTRACTOR AND SUBCONTRACTOR(S) SHALL OBTAIN CERTIFICATES OF INSPECTION INCLUDING PLUMBING, MECHANICAL, AND ELECTRICAL AND OBTAIN A CERTIFICATE OF OCCUPANCY.
3. FINAL INSPECTION:
   A. THE CLIENT SHALL INSPECT WORK AND REPORT STATUS TO CONTRACTOR.
4. RE-INSPECTION FEES: SHOULD THE TENANT/CLIENT AND/OR ARCHITECT BE REQUIRED TO PERFORM RE-INSPECTION DUE TO FAILURE OF WORK TO COMPLY WITH CLAIMS OF STATUS OF COMPLETION MADE BY CONTRACTOR:
   A. CLIENT WILL DEDUCT AMOUNT OF SUCH COMPENSATION FROM FINAL PAYMENT TO CONTRACTOR.
5. PRIOR TO SUBMITTING FINAL APPLICATION FOR PAYMENT, COMPLETE THE FOLLOWING:
   A. DISMANTLE AND REMOVE TEMPORARY FACILITIES FROM THE SITE, INCLUDING TEMPORARY LIGHTING IN THE CEILINGS.
   B. PLACE MAINTENANCE STOCK AND SALVAGED MATERIALS INTO STORAGE AS DIRECTED BY CLIENT. REMOVE SURPLUS MATERIALS AND DEBRIS AND LEGALLY DISPOSE OF THEM.
   C. ASSEMBLE IN A LOOSE-LEAF BINDER MAINTENANCE AND OPERATING INFORMATION FOR NEW EQUIPMENT AND FINISHES INSTALLED, AND TURN IT OVER TO THE CLIENT. INCLUDE ALL ENGINEERING AS-BUILT PLANS FOR PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS.
   D. ASSEMBLE WARRANTIES FOR NEW EQUIPMENT AND PRODUCTS AND GIVE THESE TO MCMAHON ARCHITECTS, INC. FOR TRANSMITTAL TO THE CLIENT.

01710 CLEANING

1. FINAL CLEANING:
   A. PRIOR TO FINAL CLEANING, REMOVE ALL TOOLS, SURPLUS MATERIALS, EQUIPMENT, SCRAPS, DEBRIS AND WASTE.
   B. REMOVE ALL TRACES OF SPLASHED MATERIAL FROM ADJACENT SURFACES.
   C. REMOVE ALL PAINT DROPPINGS, SPOTS, STAINS AND DIRT FROM FINISHED SURFACES.
   D. CLEAN BOTH SIDES OF INTERIOR GLASS.
   E. VACUUM CARPETS.
   F. CLEAN GLASS AND FRAMES AT EXTERIOR WALL.
   G. FOR SURFACES REQUIRING ROUTINE APPLICATION OF BUFFED POLISH, APPLY THE POLISH RECOMMENDED BY THE MANUFACTURER OF THE MATERIAL BEING POLISHED.
   H. IF CLIENT MUST BRING IN ANOTHER CLEANER TO CLEAN PREMISES PRIOR TO OCCUPANCY, CONTRACTOR SHALL PAY FOR THE CLEANING AS A DEDUCTION FROM THE FINAL PAYMENT.

01045 CUTTING AND PATCHING

1. PERFORM CUTTING, FITTING AND PATCHING REQUIRED TO COMPLETE THE WORK AND MAKE ITS SEVERAL PARTS FIT TOGETHER PROPERLY; TO UNCOVER PORTIONS OF THE WORK TO PROVIDE FOR INSTALLATION OF ILL-TIMED WORK; TO REMOVE AND REPLACE DEFECTIVE WORK; TO REMOVE AND REPLACE WORK NOT CONFORMING TO REQUIREMENTS OF CONTRACT DOCUMENTS; OR TO PENETRATE CONSTRUCTION FOR INSTALLATION OF PIPING AND ELECTRICAL CONDUIT.
2. DO NOT CUT STRUCTURAL MEMBERS FOR ANY REASON.
3. DO NOT DAMAGE OTHER WORK. LEAVE SURFACES IN PROPER CONDITION TO RECEIVE REPAIRS.
4. AFTER UNCOVERING WORK, INSPECT EXISTING CONDITIONS AND IMMEDIATELY REPORT TO MCMAHON ARCHITECTS, INC. AND THE CLIENT, IN WRITING, UNSATISFACTORY OR QUESTIONABLE CONDITIONS, WHICH MAY AFFECT THE INSTALLATION OF PRODUCTS OR THE PERFORMANCE OF THE WORK. DO NOT PROCEED WITH THE WORK UNTIL MCMAHON ARCHITECTS, INC. HAS PROVIDED FURTHER INSTRUCTIONS.
5. REFINISH ENTIRE SURFACES AS NECESSARY TO PROVIDE AN EVEN FINISH TO MATCH ADJACENT FINISHES. FOR CONTINUOUS SURFACES, REFINISH TO NEAREST INTERSECTION; FOR AN ASSEMBLY, REFINISH THE ENTIRE UNIT.
6. REPAIR OR REPLACE ALL MATERIALS OR FINISHES, WHETHER EXISTING OR INSTALLED UNDER THIS CONTRACT, WHICH ARE DAMAGED BY THE WORK OF THIS CONTRACT. EACH TRADE OR SUBCONTRACTOR SHALL PAY FOR REPAIR OR REPLACEMENT OF ITEMS DAMAGED BY THAT TRADE.

02070 SELECTIVE DEMOLITION

1. THE EXTENT OF DEMOLITION WORK IS, IN GENERAL, INDICATED ON THE DRAWINGS, BUT NOT EVERY ITEM TO BE REMOVED OR DEMOLISHED CAN BE SHOWN. COORDINATE DEMOLITION WITH THE CONSTRUCTION WORK SO THAT ALL INTERFERENCE WITH THE NEW WORK IS REMOVED AND SO THAT CONSTRUCTION, STRUCTURE, SUBSTRATES, ETC. WHICH REMAIN ARE IN SUITABLE CONDITION TO RECEIVE THE NEW WORK. CONTRACTOR WILL ASSUME THE COSTS FOR ALL "UNFORESEEN" CONDITIONS IF NOT INDICATED TO MCMAHON ARCHITECTS, INC., THE CLIENT AND THE BUILDING MANAGER PRIOR TO DEMOLITION/CONSTRUCTION.
2. PROTECT EXISTING MATERIALS AND FINISHES THAT ARE TO REMAIN FROM UNNECESSARY DAMAGE DURING DEMOLITION. PAY PARTICULAR ATTENTION TO PROTECTION OF WINDOW AND DOOR JAMBS, LIGHT FIXTURES, DOORS AND HARDWARE, BATHROOM AREAS, IF ANY, FINISH FLOORS, FURNISHINGS, AND AREAS OUTSIDE THE LIMITS OF WORK.
3. LEAVE DEMOLITION AREA CLEAN AND READY FOR NEW CONSTRUCTION. LEGALLY DISPOSE OF DEBRIS AND DEMOLISHED MATERIAL NOT SCHEDULED FOR REUSE. (DUMP CERTIFICATES ARE REQUIRED TO BE PROVIDED TO THE LANDLORD'S AGENT.)
4. PREPARE SURFACES FOR INSTALLATION OF NEW WORK AS FOLLOWS:
   A. WHERE FLOORING IS REMOVED, REMOVE COMPLETELY, INCLUDING ADHESIVES, GRINDING DOWN IF NECESSARY TO PREPARE SUBFLOOR FOR NEW FINISH. FILL CRACKS WIDER THAN 1/16 INCH.
   B. PULL NAILS, FASTENERS AND ADHESIVES WHICH REMAIN AFTER REMOVAL OF INSTALLED ITEMS. REMOVE LATH, STRAPPING AND OTHER SUBSTRUCTURES AND SUPPORTS ASSOCIATED WITH ITEMS TO BE REMOVED.
   C. DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL FIXTURES, INCLUDING LIGHTING FIXTURES, SWITCHES, OUTLETS, ETC. EXCEPT THOSE EXPLICITLY NOTED TO REMAIN. REMOVE CONDUIT AND ALL WIRING IN WALLS, CEILING, ETC. NOT REQUIRED FOR INSTALLATION OF NEW WORK.
   D. REMOVE PLUMBING PIPING AND CAP OFF AT FLOOR, WALL SURFACE, OR ORIGIN, UNLESS IT IS SPECIFICALLY INDICATED TO REMAIN TO SERVE NEW FIXTURES OR EQUIPMENT.
   E. PATCH AND PAINT HOLE LEFT BY REMOVAL OF FIXTURES, SWITCHES, RECEPTACLES, AND THE LIKE, UNLESS THE DAMAGED SURFACE IS ALSO SCHEDULED FOR DEMOLITION.

05800 METALS-EXPANSION JOINTS

1. CLEAN AND RENOVATE ANY EXPANSION JOINT COVERS TO BE SERVICEABLE. IF IRREPARABLE DAMAGE HAS OCCURRED BY CURRENT CONSTRUCTION OR FROM PREVIOUS CONSTRUCTION REPLACE THE EXISTING COVERS WITH NEW TO MATCH EXISTING BUILDING STANDARD.

06100 ROUGH CARPENTRY

1. PROVIDE SUPPORTS AND FASTENERS OF APPROPRIATE TYPE AND STRENGTH TO HOLD THE WORK SECURELY IN PLACE UNDER ANTICIPATED CONDITIONS OF EXPOSURE AND USE. WHERE SUPPORTS AND FASTENERS ARE SHOWN, PROVIDE THE TYPE INDICATED, OF APPROPRIATE SIZE AND STRENGTH.
2. PROVIDE BLOCKING FOR SUPPORT OF WALL MOUNTED ITEMS SUCH AS SHELVING, COUNTERS, SIGNS AND FIXTURES, AND STANDING AND RUNNING TRIM; DO NOT DEPEND ON DRYWALL FOR SUPPORT. COORDINATE ALL BLOCKING REQUIREMENTS WITH KEY PLAN AND FURNITURE PLAN AS PROVIDED IN CONSTRUCTION DOCUMENTS PACKAGE.

06400 CASEWORK

1. SUBMITTALS REQUIRED:
   A. SHOP DRAWINGS FOR ALL ITEMS OF ARCHITECTURAL WOODWORK AND CASEWORK, SHOWING PLANS, SECTIONS, ELEVATIONS, AND DETAILS OF JOINERY.
   B. ALL WOOD CUT TO BE "QUARTER SAWN" UNLESS OTHERWISE NOTED.
2. MATERIALS:
   A. PLAM: AS SCHEDULED IN FINISH SCHEDULE.
3. FABRICATION:
   A. FABRICATE CASEWORK IN ACCORDANCE WITH AWI "PREMIUM GRADE" STANDARDS.
   B. FABRICATE ALL VENEERED WOOD/SOLID WOOD SPECIAL PROJECT CASEWORK IN ACCORDANCE WITH AWI "PREMIUM GRADE" STANDARDS UNLESS OTHERWISE NOTED.
   C. FABRICATE COUNTERTOPS IN ACCORDANCE WITH AWI "PREMIUM GRADE" STANDARDS. PROVIDE LAMINATE BACKER SHEET ON UNDERSIDE.
4. "NATURAL" WOOD FINISHES:
   A. SPRAY-APPLIED UV STABLE POLYURETHANE: STAIN, SEAL, SAND, AND FINISH WITH TWO TOPCOATS OF SHERWIN-WILLIAMS UV STABLE POLYURETHANE, SANDING LIGHTLY BETWEEN COATS. DO NOT FILL. MATCH MCMAHON ARCHITECTS' SAMPLE.
   B. FINISH TO AN EVEN COLOR, COVERAGE, AND GLOSS.
5. INSTALLATION:
   A. CONDITION WOOD MATERIALS TO PREVAILING HUMIDITY CONDITIONS BEFORE INSTALLING.
   B. STANDING AND RUNNING TRIM: KEEP NUMBER OF JOINTS TO A MINIMUM; USE FULL-LENGTH PIECES WHEREVER POSSIBLE. SCARF END-TO-END JOINTS AND STAGGER JOINTS IN ADJACENT MEMBERS. COPE TRIM AT RETURN AND MITER CORNERS TO PRODUCE TIGHT-FITTING JOINTS WITH FULL SURFACE CONTACT.
   C. CASEWORK: ANCHOR SECURELY TO BLOCKING. PROVIDE MATCHING SCRIBE PIECES WHERE NECESSARY TO FINISH RUNS.
   D. SCRIBE AND CUTWORK TO FIT ADJOINING WORK CLOSELY. REFINISH CUT SURFACES IN PREFINISHED ITEMS.
   E. AT COUNTERTOPS WITH SINKS, SEAL AROUND PLUMBING FIXTURES AND AROUND PERIMETER OF COUNTERTOP USING CLEAR SANITARY SILICONE SEALANT.

07200 INSULATION

1. SOUND ATTENUATION BATTS
   A. TYPE: UNFACED GLASS FIVER ACOUSTICAL INSULATION COMPLYING WITH ASTM C 665 TYPE 1
   B. SIZE:
      THICKNESS: REFER TO WALL TYPE STUD THICKNESS
      WIDTH: 16" O.C. U.O.N. IN WALL TYPE
      LENGTH: AS REQUIRED
   C. SURFACE BURNING CHARACTERISTICS
      MAXIMUM FLAME SPREAD: 10
      MAXIMUM SMOKED DEVELOPED: 10 WHEN TESTED IN ACCORDANCE WITH ASTM E 84
   D. COMBUSTION CHARACTERISTICS: PASSES ASTM E 136
   E. FIRE RESISTANCE RATINGS: PASSES ASTM E 119 AS PART OF A COMPLETE FIRE TESTED WALL ASSEMBLY
   F. DIMENSIONAL STABILITY: LESS THAN 0.1%
2. INSTALLATION - GENERAL
   A. COMPLY WITH MANUFACTURER'S INSTRUCTIONS FOR PARTICULAR CONDITIONS INSTALLATION IN EACH CASE.
   B. BATTS MAY BE FRICTION FIT IN PLACE UNTIL THE INTERIOR FINISH IS APPLIED. INSTALL BATTS TO FILL ENTIRE STUD CAVITY. IF STUD CAVITY IS LESS THAN 96" IN HEIGHT, CUT LENGTHS TO FRICTION FIT AGAINST FLOOR AND CEILING TRACKS. WALLS WITH PENETRATIONS REQUIRE THAT INSULATION BE CAREFULLY CUT TO FIT AROUND OUTLETS, JUNCTION BOXES AND OTHER IRREGULARITIES.
   C. WHERE WALLS ARE NOT FINISHED ON BOTH SIDES OR INSULATION DOES NOT FILL THE CAVITY DEPTH, SUPPLEMENTARY SUPPORT MUST BE PROVIDED TO HOLD INSULATION IN PLACE.
   D. WHERE INSULATION MUST EXTEND HIGHER THAN 8'-0", TEMPORARY SUPPORT CAN BE PROVIDED TO HOLD PRODUCT IN PLACE UNTIL THE FINISH MATERIAL IS APPLIED.

08100 DOORS AND FRAMES

1. DOOR FRAMES: TENANT STANDARD, HOLLOW METAL WELDED FRAMES AS SPECIFIED ON DRAWING SET.
2. DOORS: SOLID CORE NATURAL FINISHED TO MATCH EXISTING DOOR WOOD SPECIES AS INDICTED ON DRAWING SET. WOOD CUT TO BE "QUARTER SAWN" UNLESS OTHERWISE NOTED.
3. INSTALLATION: ALLOW WOOD DOORS TO BECOME ACCLIMATED BEFORE HANGING. IN FITTING FOR WIDTH, TRIM EQUALLY FROM BOTH SIDES. DO NOT TRIM TOP OR BOTTOM RAILS MORE THAN 1 INCH. REQUIRE PAINTER TO SEAL TOPS, BOTTOMS, AND EDGES OF DOORS IMMEDIATELY AFTER DOORS HAVE BEEN FITTED.
4. SPECIALTY DOORS: AS INDICATED ON DRAWING SET.
5. REFER TO DRAWINGS FOR HARDWARE SPECIFICATIONS. WHERE SPECIFICATIONS DO NOT COMPLY WITH BUILDING STANDARDS, G.C. TO NOTIFY ARCHITECT PRIOR TO PROVIDING HARDWARE.
6. LOCATION AND QUANTITY: REFER TO DRAWING SET
7. KEYING TO BE COORDINATED WITH TENANT AND BUILDING OWNERS LOCKSMITH.

08800 GLASS

ALL GLASS TO BE TEMPERED IN ACCORDANCE WITH ASTM C 1048-04.
KIND: FT (FULLY TEMPERED) U.O.N.
CONDITION: A (UNCOATED) U.O.N.

CUTTING AND DRILLING

ALL CUTTING AND DRILLING TO OCCUR PRIOR TO TEMPERING PROCESS.
HOLE LOCATION AND DIAMETER:
REFER TO ASTM C 1048-04
NEAREST EDGE OF RIM TO BE 1/4" OR 2 TIMES THE THICKNESS OF THE GLASS, MINIMUM
DIAMETER OF ANY HOLE SHALL BE 1/4" OR 1 TIMES THE THICKNESS OF THE GLASS, MINIMUM.

BOWING AND WARPING

REFER TO ASTM C 1048-04 FOR SPAN CHARTS
BOWING AND WARPING TO BE LESS THAN OR EQUAL TO .39". SIZE THE THICKNESS OF THE GLASS PER ASTM C 1048-04 SPAN CHARTS.
ADJACENT PANES OF GLASS SHALL BE EQUAL IN THICKNESS SIZED TO THE PANE WITH THE LARGEST REQUIRED THICKNESS.

09120 CEILING SUSPENSION SYSTEMS

1. COMPLY WITH THE FOLLOWING INDUSTRY STANDARDS:
   A. STEEL STUDS, RUNNER, AND FURRING STANDARD: ASTM C-654
   B. INSTALLATION OF STEEL FRAMING: ASTM C-754
   C. APPLICATION AND FINISHING OF GYPSUM BOARD: ASTM C-840
2. COMPLY WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS THAT APPLY TO PROJECT CONDITIONS.
3. DESIGN METAL SUPPORTS SYSTEMS TO LIMIT DEFLECTION TO L/175. USE MIN. 20 GAUGE GALVANIZED STEEL STUDS; SPACE STUDS 16 INCHES ON CENTER UNLESS OTHERWISE NOTED. PROVIDE ADDITIONAL BRACING OR "KICKERS" ABOVE CEILING WHEREVER SHOWN OR REQUIRED FOR PROPER SUPPORT OR OF PARTITIONS OR RIGIDITY OF SOFFITS.
4. FIRE-RATED ASSEMBLIES: PROVIDE MATERIALS, ACCESSORIES AND APPLICATION PROCEDURES WHICH HAVE BEEN LISTED BY UL OR TESTED IN ACCORDANCE WITH ASTM E 119 FOR THE TYPE OF CONSTRUCTION SHOWN. WHEN PATCHING NEW OR EXISTING PARTITIONS, MAINTAIN THE INTEGRITY OF FIRE-RATED ASSEMBLIES.
5. TOLERANCES: INSTALL GYPSUM WALLBOARD AND GYPSUM BOARD CEILINGS FLAT TO A TOLERANCE OF 1/4 INCH IN 4 FEET AND 3/16 INCH IN 8 FEET (IN ANY DIRECTION), PLUMB OR LEVEL, TRUE TO LOCATION IN PLAN, AND WITH OFFSET BETWEEN ADJACENT BOARDS NOT EXCEEDING 1/16 INCH.
6. METAL TRIM: APPLY GALVANIZED STEEL TRIM TO EXTERNAL CORNERS AND EXPOSED EDGES OF GYPSUM DRYWALL. FORM CONTROL JOINTS WITH BACK-TO-BACK L-BEADS AT MAXIMUM INTERVALS OF 30 FEET AT LOCATIONS APPROVED BY MCMAHON ARCHITECTS, INC. PROVIDE ALL REQUIRED EXPANSION TRIM AT EXPANSION JOINTS.
7. TAPE JOINTS IN DRYWALL AND FINISH JOINTS AND COVER FASTENERS AND METAL TRIM WITH THREE COATS OF JOINT COMPOUND, SANDING BETWEEN COATS. (IF NOT REQUIRED FOR FIRE RATING, SECOND AND THIRD COATS MAY BE OMITTED WHERE DRYWALL IS CONCEALED ABOVE CEILING.) AFTER FIRST COAT OF PAINT HAS BEEN APPLIED TO DRYWALL, RETURN AND PATCH OR REFINISH AS DEEMED NECESSARY BY MCMAHON ARCHITECTS, INC. TO OBTAIN A UNIFORM AND SMOOTH APPEARANCE.
8. PROVIDE AND INSTALL ALL REQUIRED ACCESS PANELS IN GYPSUM DRYWALL WHERE REQUIRE FOR ACCESS TO NEW ELECTRICAL AND MECHANICAL CONTROLS IF REQUIRED. LOCATE AS DIRECTED BY LANDLORD.
9. COORDINATION: COORDINATE THE LOCATION OF DIFFUSERS, GRILLES, SPRINKLER HEADS AND OTHER CEILING MOUNTED DEVICES. COORDINATE LOCATION OF WORK ABOVE CEILING. IF IT IS NOT POSSIBLE TO INSTALL CEILING GRIDS OR CEILING MOUNTED DEVICES AS SHOWN, NOTIFY MCMAHON ARCHITECTS, INC. AT ONCE, AND WAIT FOR FURTHER INSTRUCTIONS FOR MCMAHON ARCHITECTS, INC. BEFORE PROCEEDING.
10. INSTALLATION:
    A. LAYOUT CEILING GRIDS TO MATCH LOCATION OF PREVIOUS GRID AND CEILING HEIGHTS SHOWN REFLECTED CEILING PLAN TO MINIMIZE RELOCATION OF SPRINKLER HEADS. IF NOT OTHERWISE SHOWN, LAYOUT ACOUSTICAL CEILINGS SO THAT THEY ARE CENTERED IN BOTH DIRECTIONS WITHIN SPACE OR AREA.
11. INSTALL CEILING SUSPENSION SYSTEMS TO COMPLY WITH ASTM C-636. SECURE DIRECTLY TO STRUCTURE; DO NOT SUSPEND FROM DUCTS, PIPES OR OTHER NON-STRUCTURAL ITEMS.

09250 GYPSUM WALL BOARD

1. COMPLY WITH THE FOLLOWING INDUSTRY STANDARDS:
   A. STEEL STUDS, RUNNER, AND FURRING STANDARD: ASTM C-654
   B. INSTALLATION OF STEEL FRAMING: ASTM C-754
   C. APPLICATION AND FINISHING OF GYPSUM BOARD: ASTM C-840
2. COMPLY WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND RECOMMENDATIONS THAT APPLY TO PROJECT CONDITIONS.
3. DESIGN METAL SUPPORTS SYSTEMS TO LIMIT DEFLECTION TO L/175. USE MIN. 20 GAUGE GALVANIZED STEEL STUDS; SPACE STUDS 16 INCHES ON CENTER UNLESS OTHERWISE NOTED. PROVIDE ADDITIONAL BRACING OR "KICKERS" ABOVE CEILING WHEREVER SHOWN OR REQUIRED FOR PROPER SUPPORT OR OF PARTITIONS OR RIGIDITY OF SOFFITS.
4. FIRE-RATED ASSEMBLIES: PROVIDE MATERIALS, ACCESSORIES AND APPLICATION PROCEDURES WHICH HAVE BEEN LISTED BY UL OR TESTED IN ACCORDANCE WITH ASTM E 119 FOR THE TYPE OF CONSTRUCTION SHOWN. WHEN PATCHING NEW OR EXISTING PARTITIONS, MAINTAIN THE INTEGRITY OF FIRE-RATED ASSEMBLIES.
5. TOLERANCES: INSTALL GYPSUM WALLBOARD AND GYPSUM BOARD CEILINGS FLAT TO A TOLERANCE OF 1/4 INCH IN 4 FEET AND 3/16 INCH IN 8 FEET (IN ANY DIRECTION), PLUMB OR LEVEL, TRUE TO LOCATION IN PLAN, AND WITH OFFSET BETWEEN ADJACENT BOARDS NOT EXCEEDING 1/16 INCH.
6. METAL TRIM: APPLY GALVANIZED STEEL TRIM TO EXTERNAL CORNERS AND EXPOSED EDGES OF GYPSUM DRYWALL. FORM CONTROL JOINTS WITH BACK-TO-BACK L-BEADS AT MAXIMUM INTERVALS OF 30 FEET AT LOCATIONS APPROVED BY MCMAHON ARCHITECTS, INC. PROVIDE ALL REQUIRED EXPANSION TRIM AT EXPANSION JOINTS.
7. TAPE JOINTS IN DRYWALL AND FINISH JOINTS AND COVER FASTENERS AND METAL TRIM WITH THREE COATS OF JOINT COMPOUND, SANDING BETWEEN COATS. (IF NOT REQUIRED FOR FIRE RATING, SECOND AND THIRD COATS MAY BE OMITTED WHERE DRYWALL IS CONCEALED ABOVE CEILING.) AFTER FIRST COAT OF PAINT HAS BEEN APPLIED TO DRYWALL, RETURN AND PATCH OR REFINISH AS DEEMED NECESSARY BY MCMAHON ARCHITECTS, INC. TO OBTAIN A UNIFORM AND SMOOTH APPEARANCE.
8. PROVIDE AND INSTALL ALL REQUIRED ACCESS PANELS IN GYPSUM DRYWALL WHERE REQUIRE FOR ACCESS TO NEW ELECTRICAL AND MECHANICAL CONTROLS IF REQUIRED. LOCATE AS DIRECTED BY LANDLORD.
9. RETURN AIR PLENUM: INSTALL FUSIBLE LINK DAMPERS. COORDINATE WITH HVAC CONTRACTOR.

09500 ACOUSTICAL CEILING

1. COORDINATION:
   A. ANY CHANGES IN CEILING HEIGHT MUST BE APPROVED BY THE ARCHITECT IN ADVANCE OF CEILING INSTALLATION. CEILINGS SHALL NOT BE INSTALLED UNTIL THE MEP 'COORDINATION DRAWINGS' HAVE BEEN FINALIZED AND APPROVED.
   B. IF CONDITIONS ARISE WHICH WOULD REQUIRE ALTERNATE LOCATIONS FOR CEILING DEVICES OR MODIFICATIONS OF GRID LAYOUT, PROVIDE TIMELY NOTIFICATION TO THE ARCHITECT SO

09600 FLOORING

1. PRODUCTS: REFER TO THE FINISH SCHEDULE ON CONSTRUCTION DOCUMENTS.
2. EXAMINE THE SUB-FLOOR AND THE CONDITIONS UNDER WHICH THE FLOORING IS TO BE INSTALLED AND NOTIFY MCMAHON ARCHITECTS, INC. IN WRITING OF CONDITIONS DETRIMENTAL TO THE PROPER COMPLETION OF THE WORK OR TO THE LIFE OF THE FLOORING TO BE INSTALLED. DO NOT BEGIN INSTALLATION UNTIL INSTALLER FINDS THE SUBSTRATE ACCEPTABLE. GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL FLOOR FEES NOT COVERED BY FLOORING CONTRACTOR. GENERAL CONTRACTOR TO COORDINATE.
3. LEVELING: FILL MINOR DEPRESSIONS, CRACKS, AND HOLES WITH LATEX UNDERLAYMENT SO THERE IN NO VISIBLE WAVINESS AND FLOOR IS FLAT TO 1/8 INCH UNDER A 10 FOOT STRAIGHTEDGE. VACUUM FLOOR JUST BEFORE BEGINNING INSTALLATION.
4. RESILIENT FLOORING: INSTALL USING WATERPROOF ADHESIVE RECOMMENDED BY FLOORING MANUFACTURER. BALANCE TILES IN EACH ROOM OR AREA, UNLESS OTHER PATTERN IS SHOWN ON DRAWINGS. PROTECT ALL FLOORING FROM TRAFFIC DURING THE REMAINDER OF THE CONSTRUCTION PERIOD. RESILIANT TILE FLOORS SHALL BE GIVEN TWO (2) APPLICATIONS OF AN APPROVED NON-SLIP WAX THOROUGHLY MACHINE BUFFED PRIOR TO PLACEMENT OF FURNITURE AND OCCUPANCY.
5. CARPET:
   A. EACH CARPET TO HAVE 5% ATTIC STOCK FOR REPAIR AND REPLACEMENT. GC TO COORDINATE WITH TENANT AND BUILDING MANAGEMENT FOR STORAGE LOCATION.
   B. CONTRACTOR TO SUBMIT ACTUAL CARPET DYELOT SAMPLE PRIOR TO INSTALLATION.
   C. CONTRACTOR TO SUBMIT SEAMING DIAGRAM FOR ARCHITECT'S APPROVAL.
   D. WHERE CARPET SEAMS OCCUR IN DOORWAYS, LOCATE SEAM UNDER CENTER OF DOORS.
   E. MAINTAIN DIRECTION OF PATTERN AND TEXTURE AND LAY OF PILE IN CONTIGUOUS AREAS.
   F. CARPET MUST BE INSTALLED IN SEQUENCE AS PROVIDED BY THE CARPET MANUFACTURER.
   G. STATIC DISSIPATING TILE TO BE GROUNDED BY AN ELECTRICIAN PER MANUFACTURER RECOMMENDED GROUNDING METHOD.
6. RESILIENT BASE: INSTALL THROUGHOUT. APPLY TO ALL WALLS, COLUMNS, PILASTERS, CASEWORK AND OTHER PERMANENT FIXTURES. USE PREFORMED OUTSIDE CORNERS AND MITER INSIDE CORNERS. INSTALLED BASE SHALL LIE FLAT TO WALL. GENERAL CONTRACTOR IS RESPONSIBLE FOR THE CORRECT INSTALLATION OF BASE ON ALL WALLS AND MUST COORDINATE TRADES TO INSURE FLAT CLEAN INSTALLATION OF ALL BASE MATERIALS.
7. GROUT JOINTS WILL BE CONTINUOUS BETWEEN FLOOR AND WALLS. TYPICAL FOR STONE FLOORS AND BASE CONNECTIONS, AND CERAMIC FLOOR AND BASE CONNECTIONS. CONSULT ARCHITECT FOR IRREGULAR CONDITIONS. GROUT TO BE SEALED PER MANUFACTURERS APPROVED SEALANT.
8. NATURAL STONE: PROVIDE APPROVED SEALER FOR ALL STONE PRODUCTS
9. NATURAL WOOD: PROVIDE (3) LAYERS OF APPROVED URETHANE. LAYER 1&2 TO BE HIGH GLOSS, TOP LAYER TO BE SATIN GLOSS.
10. WHERE RUBBER TRANSITION STRIPS ARE REQUIRED, TRANSITION STRIPS TO MATCH ADJACENT FLOOR COVERING. SAMPLE TO BE SUBMITTED TO ARCHITECT PRIOR TO INSTALLATION.
11. CONTRACTOR TO SUBMIT ALL FINISHES FOR ARCHITECT'S APPROVAL PRIOR TO INSTALLATION. INSTALLATION OF FINISHES TO COMPLY WITH MANUFACTURER'S SPECIFICATIONS AND REQUIREMENTS.

09900 PAINTING NOTES

1. REMOVE ALL HARDWARE, ACCESSORIES, FIXTURES AND SIMILAR ITEMS BEFORE BEGINNING WORK. REINSTALL AFTER COMPLETION OF PAINTING WORK.
2. PRIOR TO PAINTING COMPLETE ALL SPACKLING AND PATCHING OF DRYWALL SURFACES REQUIRED. CAULK GAPS AT CHANGES OF MATERIAL (SUCH AS DRYWALL TO WOOD OR METAL FRAME), AT BOTH NEW AND EXISTING WORK, TO PROVIDE A SMOOTH SURFACE FOR PAINTING. USE PAINTABLE LATEX-ACRYLIC SEALANT. REPAIR, PATCH AND SAND EXISTING GWB TO BRING TO A SMOOTH PAINTABLE SURFACE.
3. STORE, MIX AND APPLY PAINTS IN STRICT CONFORMANCE WITH PAINT MANUFACTURER'S RECOMMENDATIONS.
4. PAINTING: APPLY ONE COAT OF PRIMER AND TWO TOPCOATS. PAINT SURFACES BEHIND MOVEABLE EQUIPMENT AND FURNITURE SAME AS ADJACENT SURFACES. PAINT ACCESS PANELS AND ELECTRIC LOAD CENTER COVERS TO MATCH SURROUNDING SURFACES. PAINT WOOD BACKBOARDS WITH PAINT TO MATCH SURROUNDING WALL. PAINT EXPOSED PIPING, HANGERS, AND DUCTWORK.
5. TOUCH-UP WHERE NECESSARY ALL STAINED WINDOWSILLS AND DOORS. LIGHTLY SAND STAINED SURFACES AND APPLY TWO COATS OF CLEAR COAT FINISH.
6. PAINTER IS RESPONSIBLE FOR ALL "TOUCH-UPS", REPAINTING REQUIRED AFTER CARPET, BASE, MILLWORK, OR FURNITURE INSTALLATION.
7. WALL COVERING: PRIME DRYWALL SURFACES TO RECEIVE WALL COVERINGS WITH ONE COAT OF PRIMER. PRIMER TO BE TINTED TO MATCH WALL COVERING. SUBMIT SAMPLE TO ARCHITECT FOR PRIMER APPROVAL. LOCATE SEAMS AWAY FROM CORNERS AND KEEP PLUMB; MATCH PATTERNS IF APPLICABLE; OVERLAP SEAMS PRIOR TO RAZOR CUTTING. BRUSH AND ROLL TO REMOVE BUBBLES. REMOVE EXCESS ADHESIVE PROMPTLY FROM WASHABLE WALL COVERING; FOR FABRICS WHICH CANNOT BE WASHED, ALLOW TO DRY AND THEN BRUSH CLEAN.
8. TURN EXCESS PAINT AND WALL COVERING OVER TO CLIENT FOR MAINTENANCE STOCK. SEAL PAINT CANS TIGHTLY, WIPE CLEAN SO THAT LABEL IS READABLE, AND CLEARLY LABEL WITH COLOR. NEATLY ROLL AND WRAP WALL COVERING AND CLEARLY LABEL WITH NAME OF MANUFACTURER, PATTERN AND COLOR.
9. PAINT FINISHES:
   - CEILINGS AND SOFFITS; FLAT FINISH
   - GYPSUM BOARD WALLS AND COLUMNS; EGGSHELL
   - METAL AND WOOD SURFACES; SEMI-GLOSS
   - MILLWORK; CASE BY CASE
10. CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY EXPOSED SURFACE NOT HAVING A FINISH SPECIFIED BEFORE SUBMITTING FINISH BID.
11. EACH WALL COVERING/FABRIC FOR PANELS TO HAVE 10% ATTIC STOCK FOR REPAIR/REPLACEMENT. GC TO COORDINATE WITH TENANT AND BUILDING MANAGEMENT FOR STORAGE LOCATION.

16505 SPECIALTY LIGHTING

1. PERFORM ELECTRICAL WORK IN FULL COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS. USE ONLY U.L. LISTED EQUIPMENT AND COMPONENTS. IT IS THE INTENT OF THE SPECIFICATION AND DRAWINGS THAT THE ELECTRICAL FIXTURES SHALL BE FURNISHED AND INSTALLED COMPLETE. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, WIRE, BOXES, EQUIPMENT, DEVICES AND MATERIALS USUALLY FURNISHED IN CONNECTION WITH SIMILAR WORK, WHETHER SPECIFICALLY MENTIONED OR NOT. EXAMINE AVAILABLE POWER SUPPLY AND PANEL BOARDS AND PROVIDE ADDITIONAL CIRCUITS OR NEW PANEL BOARDS IF THE PRESENT SERVICE IS INADEQUATE TO SUPPORT NEW WORK OF THIS CONTRACT.
2. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATION AND QUANTITY. A FIXTURE DELIVERY AND INSTALLATION IS TO BE COORDINATED BY THE GENERAL CONTRACTOR.

DESIGN/BUILD NOTES

1. ALL WORK RELATED TO FIRE PROTECTION SYSTEMS SHALL BE DESIGNED AND CONSTRUCTED ON A DESIGN/BUILD BASIS.
2. FIRE PROTECTION LAYOUTS WHERE SHOWN ARE FOR INFORMATION AND COORDINATION PURPOSES ONLY. INSTALLERS SHALL HAVE FULL RESPONSIBILITY FOR COMPLIANCE WITH ALL APPLICABLE CODES AND SHALL INDEMNIFY, DEFEND, AND HOLD HARMLESS THE ARCHITECT FROM ANY AND ALL LIABILITY IN CONNECTION THEREIN.

FIRE PROTECTION NOTES:

3. FIRE PROTECTION SYSTEM SHALL BE DONE ON A DESIGN/BUILD BASIS. ALL FIRE PROTECTION COMPONENTS SHALL CONFORM WITH CURRENT APPLICABLE NATIONAL, STATE AND LOCAL CODES AND ORDINANCES INCLUDING THE AMERICANS WITH DISABILITIES ACT AND THE RULES AND REGULATIONS OF THE MASSACHUSETTS ARCHITECTURAL ACCESS BOARD. PROVIDE COMPLETE DESIGN INFORMATION FOR OWNER REVIEW.
4. VERIFY COMPATIBILITY OF ALL SYSTEM ELEMENTS WITH EXISTING FIRE ALARM SYSTEM. CONSULT LOCAL FIRE DEPARTMENT AUTHORITIES AS REQUIRED.
5. THE GC SHALL BE RESPONSIBLE FOR SHUTTING DOWN AND DRAINING THE EXISTING SPRINKLER SYSTEM IN ORDER TO CARRY OUT ALTERATIONS. THIS INCLUDES NOTIFICATION OF THE FIRE ALARM COMPANY. THE GC SHALL DRAIN THE SYSTEM AND COMPLETE SPRINKLER AND FIRE ALARM MODIFICATION PRIOR TO REACTIVATION OF THE SPRINKLER SYSTEM. ALL WORK SHALL BE COORDINATED WITH THE BUILDING MANAGEMENT COMPANY.

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

McMahon architects
535 ALBANY STREET
BOSTON, MA 02118
T 617.482.5353
www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: 12" = 1'-0"
DRAWN BY: AT
CHECKED BY: AV
JOB NO: 2022-3904

SHEET TITLE:

SPECIFICATIONS

STAMP:

REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA
COMMONWEALTH OF MASSACHUSETTS

A003

PLUMBING FIXTURE SCHEDULE

KEY	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS	RESPONSIBILITY	
					FURNISHED	INSTALLED
FIXTURE						
A	TOILET & TOILET SEAT COVER	KOHLER	KINGSTON K-84325-0 TOILET SEAT: LUSTRA K-4670-C	WALL MOUNTED TOILET- TO BE MOUNTED AT ADA HT	GC	GC
B	SENSOR FLUSHOMETER - 1.28GPF	SLOAN	ECOS-111-1.28 HW	PROVIDED AND INSTALLED BY G.C.	GC	GC
C	WALL MOUNTED SINK - WASHBASIN	DURAVIT	045460	TO BE MOUNTED 2'-10" AFF MAX. G.C. TO PROVIDE LAVATORY TRAP COVERS FOR ADA COMPLIANT PIPE PROTECTION. FINISH TO BE WHITE.	GC	GC
D	FAUCET	CHICAGO FAUCETS	ELECTRONIC- SSPS 116.941.AB.1	COORDINATE REQUIRED CONNECTIONS WITH MEP DRAWINGS.	GC	GC
ACCESSORIES						
1	MIRROR	POTTERY BARN	SCARLETT MONOGRAM WALL MIRROR	G.C. TO PROVIDE BLOCKING IN WALL FOR MOUNTING OF RESTROOM MIRRORS- 40" AFF. REFLECTIVE SURFACE OF MIRROR TO BE MOUNTED AT 40" A.F.F.	GC	GC
2	HAND DRYER	DYSON	AIRBLADE V: HU02-N-LV	REFER TO A031 FOR ADA MOUNTING REQUIREMENTS	GC	GC
3	WALL HOOK	IVES HINGES	571 ABLK		GC	GC
4	TOILET PAPER HOLDER	BY G.C.	N/A	CUSTOM PIPE TOILET PAPER HOLDER - BUILD CUSTOM TOILET PAPER HOLDER USING 3/4" PIPE AND (1) ASSOCIATED SIZED FLANGE, (1) 90° ELBOW AND (1) END CAP. PROVIDED BY AND INSTALLED BY G.C. VERIFY QUANITIES. ENSURE SET SCREW IS TIGHTLY FASTENED. APPLY THREAD LOCK	GC	GC
5	RECESSED SANITARY NAPKIN DISPOSAL	BOBRICK	B-353	VERIFY MOUNTING HEIGHT ON SHEET A031.	GC	GC
6	PLASTIC WALL MOUNTED BABY CHANGING STATION	KOALA KARE	KB200-00	WALL MOUNTED. G.C. TO PROVIDE BLOCKING AND FRAMING AS REQUIRED	GC	GC
7	36" GRAB BAR	BY G.C.	N/A	CUSTOM PIPE GRAB BAR - BUILD CUSTOM GRAB BAR USING 1-1/4" STEEL PIPE AND (2) ASSOCIATED SIZED FLANGE AND (2) 90° ELBOWS. TO BE 36" LONG, FROM CENTER LINE OF FLANGE TO CENTER LINE OF FLANGE AND BETWEEN 1-1/4" TO 1-1/2" AWAY FROM THE WALL. PROVIDED BY AND INSTALLED BY G.C. VERIFY QUANITIES.	GC	GC
8	42" GRAB BARS	BY G.C.	N/A	CUSTOM PIPE GRAB BAR - BUILD CUSTOM GRAB BAR USING 1-1/4" STEEL PIPE AND (2) ASSOCIATED SIZED FLANGE AND (2) 90° ELBOWS. TO BE 42" LONG, FROM CENTER LINE OF FLANGE TO CENTER LINE OF FLANGE AND BETWEEN 1-1/4" TO 1-1/2" AWAY FROM THE WALL. PROVIDED BY AND INSTALLED BY G.C. VERIFY QUANITIES.	GC	GC
9	SOAP DISPENSER	BRADLEY CORPORATION	6562	TO BE MOUNTED @ 44" A.F.F. MAX HEIGHT.	GC	GC
10	TOILET PARTITION	SCRANTON PRODUCTS	ECLIPSE | 62" HEIGHT | FINISH - BLACK - ORANGE PEEL | ENGRAVING - TRADITIONAL 2600	REFER TO MANUAL INSTALLATION INSTRUCTIONS. INSTALL TO ADA REQUIREMENTS	GC	GC

LIGHT FIXTURE SCHEDULE

	MANUFACTURER	CATALOG #	LAMP TYPE	VOLTS	MOUNTING	CONTACT	COMMENTS	RESPONSIBILITY		
								FURNISHED	INSTALLED	LAMPING
A	JUNO	JUNO 6" LED REGRESSED DOWNLIGHT. WF6 REG SWW5 90CRI MW M6 2700K	(1) 40 WATT LED COMPARABLE	120-277 V	NEW-RECESSED	BOSTON LIGHT SOURCE - LARA ROBERTSON - 678.877.0700	NEW RECESSED LIGHTING FIXTURE. INSTALLED BY G.C. COORDINATE ELECTRIC SERVICE WITH FIXTURE.	G.C.	G.C.	G.C. / E.C.
B1	BLOOM LIGHTING	10" DIAMETER OPAL GLASS GLOBE PENDANT. STEM FINISH SATIN BRASS	(1)A19 E26 BASE 9W 120V 2700K L.E.D. LAMP	120-277 V	SURFACE MOUNTED. CANOPY: 5" DIA. X 3/4" THICK	JARED MERRICK, DIRECTOR OF SALES 1-954-242-4911 1-866-989-7778 JARED@BLOOMLIGHTINGGROUP.COM	PURCHASED BY G.C. FURNISHED TO E.C. STANDARD MOUNTING HEIGHT 6'-8" AFF. VERIFY FINAL MOUNTING HEIGHT IN FIELD WITH OWNER. ELECTRICAL CONTRACTOR RESPONSIBLE FOR CUTTING AND TAPPING STEM LENGTHS.	G.C.	G.C. / E.C.	G.C. / E.C.
B2	BLOOM LIGHTING	10" DIAMETER OPAL GLASS GLOBE PENDANT. STEM FINISH SATIN BRASS	(1)A19 E26 BASE 9W 120V 2700K L.E.D. LAMP	120-277 V	SURFACE MOUNTED. CANOPY: 5" DIA. X 3/4" THICK	JARED MERRICK, DIRECTOR OF SALES 1-954-242-4911 1-866-989-7778 JARED@BLOOMLIGHTINGGROUP.COM	PURCHASED BY G.C. FURNISHED TO E.C. STANDARD MOUNTING HEIGHT 6'-8" AFF. VERIFY FINAL MOUNTING HEIGHT IN FIELD WITH OWNER. ELECTRICAL CONTRACTOR RESPONSIBLE FOR CUTTING AND TAPPING STEM LENGTHS.	G.C.	G.C. / E.C.	G.C. / E.C.
C	BY OWNER	CUSTOM PENDANT	(1) 40 WATT LED COMPARABLE	120-277 V	SURFACE MOUNTED		PROVIDED BY OWNER. INSTALLED BY G.C. COORDINATE ELECTRIC SERVICE WITH FIXTURE. G.C. TO VERIFY FINAL MOUNTING HEIGHT IN FIELD WITH OWNER.	OWNER	G.C.	G.C. / E.C.
D	CYLINDERS	4" ROUND DIRECT PICO SERIES CO407XT-13L-27HK-WD-DS-10X-NL-AT36-MW	(1) 40 WATT LED COMPARABLE	120-277 V	NEW STEM MOUNT		NEW STEM MOUNT LIGHTING FIXTURE. INSTALLED BY G.C. COORDINATE ELECTRIC SERVICE WITH FIXTURE. G.C. TO VERIFY FINAL MOUNTING HEIGHT IN FIELD WITH OWNER AND FIELD CUT MOUNT AS REQUIRED.	G.C.	G.C.	G.C. / E.C.
F	BY OWNER	RESTORATON HARDWARE BISTRO GLOBE MILK GLASS DOUBLE SCONCE	(2) 40 WATT LED COMPARABLE	120-277 V	SCONCE: 6'-8" AFF. VERIFY IN FIELD WITH OWNER		REFER TO ELEVATIONS FOR HEIGHTS. PROVIDED BY OWNER. INSTALLED BY G.C. LOWEST POINT OF FIXTURE PROTRUDING MORE THAN 4" TO BE MOUNTED NO LOWER THAN 6'-8" AFF FOR ADA COMPATIBILITY	G.C.	G.C.	G.C. / E.C.
G	BY OWNER	CUSTOM PENDANT	(1) 40 WATT LED COMPARABLE	120-277 V	SURFACE MOUNTED		PROVIDED BY OWNER. INSTALLED BY G.C. COORDINATE ELECTRIC SERVICE WITH FIXTURE. G.C. TO VERIFY FINAL MOUNTING HEIGHT IN FIELD WITH OWNER.	OWNER	G.C.	G.C. / E.C.
H	BY OWNER	CUSTOM LIGHT- BRASS AGED BY MANUF.	(28) 2700K (LED) 40 WATT LED COMPARABLE	120-277 V	28 GLOBE FIXTURES TOTAL. COORDINATE WIRING AND FINAL STEM LOCAITON WITH VENDOR PRIOR TO PLYWOOD BLOCKING INSTALLATION		CUSTOM FIXTURE BY OWNER. G.C. TO COORDINATE BLOCKING REQUIREMENTS WITH MANUFACTURER.	OWNER	G.C.	G.C. / E.C.
J	BY OWNER	CUSTOM PENDANT	(1) 40 WATT LED COMPARABLE	120-277 V	PENDANT 6'-2" AFF		PROVIDED BY OWNER. INSTALLED .G.C. VERIFY FINAL MOUNTING HEIGHT IN FIELD WITH OWNER.	OWNER	G.C.	G.C. / E.C.
K	LITHONIA	EPANL 2X2 3400 80 35K MIN1 EZT MVOLT	LED	120-277 V	LED FLAT PANEL	BOSTON LIGHT SOURCE - LARA ROBERTSON - 678.877.0700	G.C TO COORDINATE EMERGENCY CIRCUITING WITH ENGINEERING DRAWINGS. G.C. TO PROVIDE SPEC FOR K FIXTURE INCLUDING EL14W EMERGENCY WIRING.	G.C.	G.C.	G.C. / E.C.
M	LAMPS PLUS	U4514 - 60" CASA VIEJA TURBINA 8482 - DC ORB 6-SPD	FAN - NO LAMP, 73 WATT	120-277 V	PENDANT 10' AFF		GC TO PROVIDE LONGEST NON-THREADED DOWNROD POSSIBLE. IF MULTIPLE REQUIRED, USE 73461 COUPLING (MUST BE ORDERED SEPARATELY). FINISH TO BE OIL-RUBBED BRONZE. FURNISHED AND INSTALLED BY G.C. G.C. RESPONSIBLE TO DETERMINE STEM LENGTH WITH ARCHITECT AND CLIENT.	G.C.	G.C.	N/A
N	SCHOOLHOUSE ELECTRIC & SUPPLY CO	NEWBURY 4", TRUE BLACK (TB) WITH FROSTED DRUM SHADE | 107289/104190	100 WATT	120-277 V	SURFACE MOUNT		PROVIDE FROSTED DRUM SHADE. PROVIDED BY AND INSTALLED BY G.C.	G.C.	G.C.	G.C. / E.C.
P	PLACER	PLACER A P1 90CRI 30K 12 55DEG FLC WMC S-18 C1 DBL	LED	LOW VOLTAGE	WALL MOUNT	BOSTON LIGHT SOURCE - LARA ROBERTSON - 678.877.0700	PROVIDED AND INSTALLED BY G.C. REFER TO SIGNAGE DETAILS FMI.	G.C.	G.C.	G.C. / E.C.
S	SPECTRUM LIGHTING	ESTIMATOR RT6LES-2000-30K-DX-MB-MF	(1) 40 WATT LED COMPARABLE	120-277 V	NEW-EXTERIOR RECESSED	BOSTON LIGHT SOURCE - LARA ROBERTSON - 678.877.0700	NEW RECESSED LIGHTING FIXTURE. INSTALLED BY G.C. COORDINATE ELECTRIC SERVICE WITH FIXTURE.	G.C.	G.C.	G.C. / E.C.

GENERAL NOTE: G.C. TO PROVIDE EXTRA SLACK IN ELECTRICAL RUNS FOR FIELD FLEXIBILITY FOR FIXTURE MOUNTING.

MISCELLANEOUS FIXTURE SCHEDULE

CODE	DESCRIPTION	MANUFACTURER	MODEL	FINISH	COMMENTS	FURNISHED	INSTALLED
BK1	TRADITIONAL BRASS KNOB - C2	RICHELIEU	C0KN138C2DKB	DARK BRONZE	GC TO PROVIDE SAMPLE FOR ARCHITECT APPROVAL	OWNER VENDOR	GC
CB1	STONE COUNTERTOP BRACKET	IRONSUPPORTS.COM	STANDARD FRONT MOUNT COUNTERTOP L BRACKET - 16" DEEP x 12" HIGH	PAINTED PT1	COORDINATE QUANTITY WITH MILLWORK. TO BE SPACED 16"-20" APART. VERTICAL FACE TO BE HIDDEN FROM VIEW	GC	GC
FR2	ROUNDED BARISTA FOOTRAIL	MILLWORKER	1.5" FOOTRAIL TUBING WITH RADIUS OFFSET 7" FROM DIE WALL. END POINTS OF RAIL TO ALIGN WITH RETURN DIE WALLS.	BRASS TO MATCH BRACKETS	INSTALLED 7" TO CENTER OF TUBE FROM FACE OF DIE WALL. BRACKETS TO BE PLACED 6" FROM END OF TUBE AND CONTINUE IN < 4' EQUAL INCREMENTS.	MILLWORKER	GC
FRB	FOOTRAIL BRACKET	4RAILS.COM	BRACKETS: 1.5" FLOOR BRACKET - BR512A. END CAP: DOMED.	POLISHED BRASS	BRACKETS TO BE PLACED 6" FROM END OF TUBE AND CONTINUE IN < 4' EQUAL INCREMENTS.	GC	GC
GH1	GARMENT HOOK	AMERICAN SPECIALTIES, INC.	36" UTILITY HOOK STRIP | 1307-03		FURNISHED AND INSTALLED BY GC. BOTTOM STRIP @ 40" AFF TO CENTER. TOP STRIP @ 72" AFF TO CENTER.	GC	GC
SB1	HEAVY DUTY FLOATING SHELF BRACKET	RIGHT ON BRACKET	C10HM-L+/C10HM-R+	THICKNESS: 3/8". LENGTH: 10"	HIDDEN STUD MOUNT SHELF BRACKET. GC TO COORDINATE BRACKET LOCATION IN FIELD WITH SHELVING SLOTS FROM MILLWORKER. CONFIRM QUANTITIES WITH OWNER.	GC	GC
SG1	SNEEZE GUARD	C.R. LAURENCE CO. OR APPROVED EQUAL	1/2" DEEP U-CHANNEL: SDCD12BN | CARDINAL SLEEVE OVER CLAMP 90 DEGREE: SOGC90BN | CHG INSTALL BAG FOR HEAVY UNITS		TO BE MOUNTED 1/4" FROM FRONT EDGE OF SURFACE. SEE A910 FOR RESPECTIVE DIMENSIONS AND DETAILS. HEIGHT REQUIRED TO FOLLOW LOCAL HEALTH CODES. VERIFY FINAL SIZE WITH OWNER.	GC	GC
TR1	TIP RAIL	4RAILS.COM	2.0" SHORT BALL END POST | 2.0" SHORT BALL CENTER POST | ASSOCIATED HARDWARE	ANTIQUED BRASS	SEE INSPIRATION IMAGE BELOW. GC TO PROVIDE SAMPLE FOR ARCHITECT APPROVAL. SEE A501 FOR RESPECTIVE DIMENSIONS.	GC	GC
WS1	WINDOW SHADE - CLUTCH-OPERATED FLEXSHADE	DRAPER INC.	MERMET E SCREEN 5% WITH ALL STANDARD OPTIONS	WHITE/WHITE	CONFIRM QUANTITY ON A301	GC	GC

FINISHES

CODE	LOCATION/APPLICATION	MANUFACTURER	STYLE/NAME & COLOR	GROUT/FINISH	CONTACT	COMMENTS	RESPONSIBILITIES		CLASS
							FURNISHED	INSTALLED	
AC1	BOH KITCHEN CEILING	ARMSTRONG	SQUARE LAY IN CEILING TILE-WASHABLE	WHITE	LAURIE BARTON 617.835.9396-LBBARTON@ARMSTRONGCEILING.COM	WASHABLE CEILING TILE. GRID: PRELUDE PLUS XL - ALUMINUM 15/16" ENVIRONMENTAL TEE SYSTEM.	GC	GC	A
EP1	URETHANE FLOORING/WALL BASE	DURAFLEX OR APPROVED EQUAL	POLYCRETE TF PLUS - GREY	N/A	877.251.5418	URETHANE FLOORING TO CONTINUE UP WALL 6" FOR WALL BASE. WR COVE SYSTEM AND SLB BASE COAT. SEE DETAIL ON SHEET A021.	GC	GC	B
EP2	URETHANE FLOORING/WALL BASE WITH ADDED SLIP RESISTANCE	DURAFLEX OR APPROVED EQUAL	POLYCRETE TF PLUS - GREY WITH ARMOR TOP GRIT, WHITE ALUMINUM OXIDE GRAIN 24 GRIT	N/A	877.251.5418	ADD 24 GRIT WHITE ALUMINUM OXIDE GRAINS TO URETHANE FLOORING TO CONTINUE UP WALL 6" FOR WALL BASE. WR COVE SYSTEM AND SLB BASE COAT. SEE DETAIL ON SHEET A021.	GC	GC	B
FRP	BOH WALL FINISH	BEST SOURCE	SMOOTH WHITE FRP	SMOOTH	BEST SOURCE	SEE DETAIL ON SHEET A021.	GC	GC	A
FT1	BARISTA & MAIN COUNTER BOH HEXAGON FLOOR TILE-FIELD TILE	DALTILE	SOLID 1" HEXAGON TILE, BISCUIT D317	LATICRETE, 45 RAVEN	ELISA FRANKLIN 617.605.2823	VERIFY BORDER LOCATIONS WITH OWNER PRIOR TO INSTALL.	OWNER	GC	A
FT2	CUSTOM DIAMOND PATTERN	DALTILE	CUSTOM PATTERN USING: 1" HEXAGON KOHL, D171, 1" HEX- SUEDE GRAY, D182, 1" HEX CINNAMON RANGE, D007. SEE PATTERN REFERENCE ON A601 DETAIL 2 FMI. COORDINATE WITH BISCUIT FIELD TILE	LATICRETE, 60 DUSTY GREY	ELISA FRANKLIN 617.605.2823	SEE CODED LAYOUT ON SHEET A601 FMI. FIELD TILE PATTERN TO WEAVE INTO BISCUIT BORDER TILE SHEETS.	OWNER	GC	A
FT3	RESTROOM HEXAGON FLOOR TILE	DALTILE	SOLID 1" HEXAGON TILE, BISCUIT D317 WITH BLACK HEX DOT BORDER	LATICRETE, 45 RAVEN	ELISA FRANKLIN 617.605.2823	SEE SHEET A601 FOR BLACK HEX FLOORING PATTERN.	OWNER	GC	A
GL1	PASS INTERIOR WINDOW GLAZING	BEST SOURCE	1" TEMPERED GLAZING	CLEAR	BEST SOURCE	TEMPERED GLAZING AT ALL FOOD PREP LOCATIONS.	GC	GC	A
GL2	EXTERIOR GLAZING	BEST SOURCE	5/8" INSULATED DOUBLE PANE THERMAL/SAFETY GLAZING. U FACTOR = 0.36, SHGC = 0.23	CLEAR	BEST SOURCE	GLASS LIGHT: CONFIRM REQUIRED U FACTOR WITH BASE BUILDING IF REQUIRED.	GC	GC	A
MB1	MARBLE COUNTER TOP	BEST SOURCE	CONFIRM SELECTION WITH OWNER.	HONED/ STRAIGHT EASED EDGE	BEST SOURCE	CONFIRM FINAL SELECTION WITH OWNER. STONE FURNISHED BY OWNER AND FABRICATED BY G.C. G.C. TO PROVIDE OWNER WITH SLAB QUANTITY.	OWNER/GC	GC	N/A
ME1	METAL FINISH	BEST SOURCE	STAINLESS STEEL		BEST SOURCE	SEE ELEVATIONS AND DETAILS FOR FINISH LOCATIONS. PROVIDE SAMPLE FOR OWNER/ARCHITECT APPROVAL.	MILLWORKER	MILLWORKER/ GC	N/A
ME2	METAL FINISH	BEST SOURCE	BLACK PAINTED	LOW LUSTRE	BEST SOURCE	SEE ELEVATIONS AND DETAILS FOR FINISH LOCATIONS. PROVIDE SAMPLE FOR OWNER/ARCHITECT APPROVAL.	MILLWORKER	MILLWORKER/ GC	N/A
MR1	BUILT-IN MIRROR	MIRROR-TIQUE	ULTRA LIGHT	TBD	TIM BAYLES, MIRRORTIQUE@GMAIL.COM 205.567.6901		GC	GC	TBD
PL1	PLASTIC LAMINATE	NEVAMAR	BONE WHITE, S7032T	N/A	BEST SOURCE	MILLWORK FINISH. COORDINATE WITH MILLWORKER.	MILLWORKER	MILLWORKER/ GC	N/A
PL2	ELIASON DOOR FINISH	ELIASON STANDARD FINISH	WHITE	N/A					A
PT1	PAINT	BENJAMIN MOORE	WHITE DOVE, OC-17	EGG-SHELL	BEAULIEU, MARION. MARION.BEAULIEU@BENJAMINMOORE.COM	SEE ELEVATIONS ON SHEET SERIES A700 FMI.	GC	GC	A
PT2	PAINT	BENJAMIN MOORE	WHITE DOVE, OC-17	FLAT	BEAULIEU, MARION. MARION.BEAULIEU@BENJAMINMOORE.COM	SEE RCP ON SHEET A301 FMI.	GC	GC	A
PT3	PAINT	BENJAMIN MOORE	WHITE DOVE, OC-17	SEMI-GLOSS	BEAULIEU, MARION. MARION.BEAULIEU@BENJAMINMOORE.COM	ALL EXPOSED BLOCKING AND WOOD FILLER PIECES FOR MILLWORK ITEMS TO BE PAINTED PT3. COORDINATE WITH MILLWORKER.	GC	GC	A
PT4	PAINT	BENJAMIN MOORE	JET BLACK, 2120-10	SEMI-GLOSS	BEAULIEU, MARION. MARION.BEAULIEU@BENJAMINMOORE.COM	SEE ELEVATIONS ON SHEET SERIES A800 FMI. FOR EXTERIOR APPLICATIONS USE EXTERIOR RATED PAINT FINISH.	GC	GC	A
PT5	EXTERIOR PAINT	BENJAMIN MOORE	AURA EXTERIOR / WHITE DOVE, OC-17	EGG-SHELL	BEAULIEU, MARION. MARION.BEAULIEU@BENJAMINMOORE.COM	SEE ELEVATIONS ON SHEET SERIES A800 FMI. FOR EXTERIOR APPLICATIONS USE EXTERIOR RATED PAINT FINISH.	GC	GC	A
PT6	EXTERIOR PAINT	BENJAMIN MOORE	AURA EXTERIOR / WHITE DOVE, OC-17	FLAT	BEAULIEU, MARION. MARION.BEAULIEU@BENJAMINMOORE.COM	SEE ELEVATIONS ON SHEET SERIES A800 FMI. FOR EXTERIOR APPLICATIONS USE EXTERIOR RATED PAINT FINISH.	GC	GC	A
PT7	EXTERIOR PAINT	BENJAMIN MOORE	AURA EXTERIOR / JET BLACK, 2120-10	SEMI-GLOSS	BEAULIEU, MARION. MARION.BEAULIEU@BENJAMINMOORE.COM	SEE ELEVATIONS ON SHEET SERIES A800 FMI. FOR EXTERIOR APPLICATIONS USE EXTERIOR RATED PAINT FINISH.	GC	GC	A
SH1	ASPHALT ROOFING SHINGLE	CERTAINTEED	LANDMARK SERIES DESIGNER ROOFING SHINGLES IN MAX DEF MOIRE BLACK			SEE ELEVATIONS ON SHEET SERIES A800 FMI. REFER TO MANUFACTURERS SPEC FOR INSTALLATION GUIDELINES	GC	GC	A
ST1	STAIR TREAD	WOOSTER PRODUCTS	WOOSTER PRODUCTS STAIRMASTER TYPE 511 SAFETY RENOVATION TREAD IN BLA-1 FOR INTERIOR STAIR RENOVATION		TIM BRENNAN, TIM@WOOSTER-PRODUCTS.COM	FINISH TO BE BLA-1, WITH FIRST TWO RIBS SY-1. GC TO EXAMINE CONDITION OF EXISTING STAIRS, TO DETERMINE APPROPRIATE ANCHORS/FASTENING METHOD. REFER TO MANUFACTURERS SPEC FOR INSTALLATION GUIDELINES	GC	GC	A
TB1	TILE BASE	DALTILE	SEMI-GLOSS, 3"x6" COVE BASE, ARCTIC WHITE #0190	LATICRETE, 78 STERLING SILVER	ELISA FRANKLIN 617.605.2823	FURNISHED BY OWNER. QUANTITIES PROVIDED BY G.C. QUANTITIES TO INCLUDE BULLNOSE EDGE FINISH FOR CORNER DETAILS AS APPLICABLE.	OWNER	GC	A
TS1	TRANSITION STRIP	BEST SOURCE	CARARRA MARBLE THRESHOLD	HONED WITH BEVELED EDGE	BEST SOURCE	FOR THE TRANSITION AT RESTROOM DOOR. 1/2" MAX TO MEET ADA REQUIREMENTS.	GC	GC	A
TS2	TRANSITION STRIP	SCHLUTER	JOLLY PROFILE	BLACK	BRIAN HOLDEN BHOLDEN@SCHLUTER.COM 800-267-0817 EXT 4636	VERIFY TRANSITION HEIGHT IN FIELD WITH FINALIZED FINISH MATERIALS.	GC	GC	N/A
TS3	EXTERIOR THRESHOLD	BEST SOURCE	EXTERIOR	BLACK	BEST SOURCE	HEIGHT TRANSITION TO BE ADA COMPLIANT AT NO MORE THAN 1/2" AFF. EDGES MUST BE BEVELED.	GC	GC	N/A
VB1	VINYL WALL BASE	BEST SOURCE	4" BLACK / CONTINUOUS ROLL		BEST SOURCE		GC	GC	
WD1	WOOD MILLWORK	BEST SOURCE	COORDINATE WITH MILLWORKER	TBD- VERIFY WITH OWNER	BEST SOURCE	PROVIDE SAMPLE FOR OWNER APPROVAL.	MILLWORKER	GC	A
WT1	WALL TILE	DALTILE	SEMI-GLOSS, 6"X 6", ARTIC WHITE #0190. RUNNING BOND	LATICRETE, 78 STERLING SILVER	ELISA FRANKLIN 617.605.2823	FURNISHED BY OWNER. QUANTITIES PROVIDED BY G.C. QUANTITIES TO INCLUDE BULLNOSE EDGE FINISH FOR CORNER DETAILS AS APPLICABLE.	OWNER	GC	A
WT1a	WALL TILE - SHORT EDGE BULLNOSE	DALTILE	SEMI-GLOSS, 6"X 6", ARTIC WHITE #0190. SHORT EDGED BULLNOSE.	LATICRETE, 78 STERLING SILVER	ELISA FRANKLIN 617.605.2823	FURNISHED BY OWNER. QUANTITIES PROVIDED BY G.C. QUANTITIES TO INCLUDE BULLNOSE EDGE FINISH FOR CORNER DETAILS AS APPLICABLE.	OWNER	GC	A
WT2	WALL TILE	DALTILE	SEMI-GLOSS, 6"X 6", ARTIC WHITE #0190. STACKED BOND	LATICRETE, 78 STERLING SILVER	ELISA FRANKLIN 617.605.2823	FURNISHED BY OWNER. QUANTITIES PROVIDED BY G.C. QUANTITIES TO INCLUDE BULLNOSE EDGE FINISH FOR CORNER DETAILS AS APPLICABLE.	OWNER	GC	A
WT3	WALL TILE	DALTILE	SEMI-GLOSS, 3" X 6", ARTIC WHITE #0190. RUNNING BOND	LATICRETE, 78 STERLING SILVER	ELISA FRANKLIN 617.605.2823	FURNISHED BY OWNER. QUANTITIES PROVIDED BY G.C. QUANTITIES TO INCLUDE BULLNOSE EDGE FINISH FOR CORNER DETAILS AS APPLICABLE.	OWNER	GC	A
WT3a	WALL TILE - LONG EDGE BULLNOSE	DALTILE	SEMI-GLOSS, 3"X 6", ARTIC WHITE #0190. LONG EDGED BULLNOSE.	LATICRETE, 78 STERLING SILVER	ELISA FRANKLIN 617.605.2823	FURNISHED BY OWNER. QUANTITIES PROVIDED BY G.C. BULLNOSE TO BE ON 6" EDGE OF 3" X 6" TILE.	OWNER	GC	A
WT4	FEATURE WALL BORDER TILE	DALTILE	LINERS, 1" X 6" FLAT TOP: BLACK K111	LATICRETE, 78 STERLING SILVER	ELISA FRANKLIN 617.605.2823	FURNISHED BY OWNER. QUANTITIES PROVIDED BY G.C.	OWNER	GC	A
WT5	FEATURE WALL BORDER TILE	DALTILE	LINERS, 1" X 6" FLAT TOP, COLOR: ARTIC WHITE #0190	LATICRETE, 78 STERLING SILVER	ELISA FRANKLIN 617.605.2823	FURNISHED BY OWNER. QUANTITIES PROVIDED BY G.C.	OWNER	GC	A
WT6	FEATURE WALL BORDER TILE	DALTILE	LINERS, 2" X 8 1/2" ARCTIC WHITE #0190	LATICRETE, 78 STERLING SILVER	ELISA FRANKLIN 617.605.2823	FURNISHED BY OWNER. QUANTITIES PROVIDED BY G.C.	OWNER	GC	A
WT7	FEATURE WALL BORDER TILE	DALTILE	LINERS, 1/2"X 6" FLAT TOP. COLOR: BLACK K111	LATICRETE, 78 STERLING SILVER	ELISA FRANKLIN 617.605.2823	FURNISHED BY OWNER. QUANTITIES PROVIDED BY G.C.	OWNER	GC	A
WT8	FEATURE WALL MOSAIC	DALTILE	1" SQUARE MOSAIC CUSTOM "WEST END." PATTERN BACKGROUND TO BE BISCUIT, LETTERS TO BE BLACK D311	LATICRETE, 78 STERLING SILVER	ELISA FRANKLIN 617.605.2823	FURNISHED BY OWNER. QUANTITIES PROVIDED G.C. COORDINATE BRASS BAND INSERT WITH DETAIL DRAWINGS.	OWNER	GC	A
WT9	CHALKBOARD BULL NOSE BORDER TILE	DALTILE	SEMI-GLOSS, 2" X 6" ARTIC WHITE #0190. LONG EDGED BULLNOSE.	LATICRETE, 78 STERLING SILVER	ELISA FRANKLIN 617.605.2823	FURNISHED BY OWNER. QUANTITIES PROVIDED G.C. COORDINATE BRASS BAND INSERT WITH DETAIL DRAWINGS.	OWNER	GC	A

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

McMahon architects
535 ALBANY STREET
BOSTON, MA 02118
T 617.482.5353
www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE:
DRAWN BY: KG
CHECKED BY:AV
JOB NO: 2022-3904

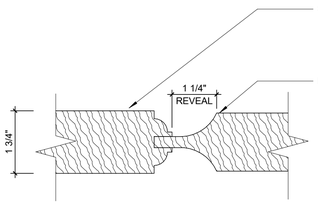
SHEET TITLE:

SCHEDULES, LEGENDS & ALTERNATES

STAMP:

REGISTERED ARCHITECT DAVID R. McMAHON No. 9789 BOSTON MA COMMONWEALTH OF MASSACHUSETTS

A011

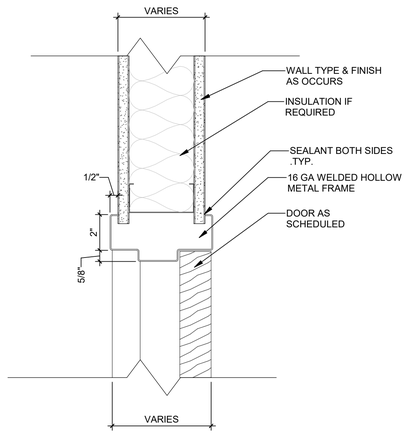


1 WOOD DOOR PANEL PROFILE

SCALE: 6" = 1'-0"

Scale: 6" = 1'

0 0.25' 0.5'

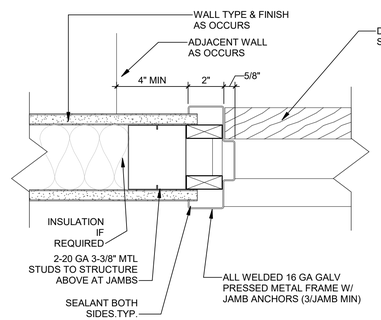


2 TYP HOLLOW METAL DETAIL

SCALE: 3" = 1'-0"

Scale: 3" = 1'

0 4" 1'



3 TYP HOLLOW METAL JAMB DETAIL

SCALE: 3" = 1'-0"

Scale: 3" = 1'

0 4" 1'

HARDWARE SCHEDULE

HARDWARE SET #1

(1) SCHLAGE KEYPAD ELECTRONIC LOCK - PRIVACY FUNCTION. FINISH 643E. CO-100-CY-40-KP-RHO-643E. KEYPAD TO BE COORDINATED WITH OWNER
(1) IVES: KICK PLATE 8" x 34" BLACK
(3) HINGES, FINISH: 613/US10B, DARK SATIN OIL RUBBED BRONZE
(3) SILENCERS
(1) LCN4040XP CLOSER, FINISH US10B
(1) DOOR STOP: ROCKWOOD 400/441CU, FINISH US10-B
(*) PREP DOOR FOR FUTURE LOCK SET

GC TO PROVIDE ALTERNATE HARDWARE SET FOR RESTROOM OCCUPANCY INDICATORS - REFER TO RFP FMI.

HARDWARE SET #2

(1) SEE ELIASON MANUFACTURER SPECIFICATIONS FOR DOOR HARDWARE AND DOOR FRAME

HARDWARE SET #3

(1) CONTINUOUS HINGES- HEAVY DUTY, FINISH US10B
(1) IVES 8400 KICK PLATE 8"x34" FINISH US10B
(1) PUSH AND PULL TRIM SET WITH DEADBOLT
(1) CLOSER: LCN4040XP PUSH SIDE MOUNT WITH HOLD OPEN ARM- FNISH US10B
(*) PEMPKO- DOOR BOTTOM SWEEP 315_N
(*) THRESHOLDS FOR EXTERIOR SINGLE DOOR
(*) WEATHER STRIPPING- PEMKO STANDARD PERIMETER GASKETING 316-PK DARK BRONZE
(*) ASTRAGAL NGP 149 MAGNETIC ASTRAGAL SET. DARK BRONZE FINISH

HARDWARE SET #4

(1) SCHLAGE AL SERIES JUPITER LEVER - US10B OIL RUBBED BRONZE. STOREROOM LOCK W/ BLANK PLATE INSIDE
(3) HINGES, FINISH: 613/US10B, DARK SATIN OIL RUBBED BRONZE
(3) IVES SR64-SILENCERS
(1) ASSA ABLOY: DOME STOP COMBINATION UNIT NO.441CU
(1) IVES: KICK PLATE 8" x 34" PUSH SIDE- BLACK

HARDWARE SET #5

(1) SCHLAGE: AL SERIES LEVER AL50PD- OFFICE LOCK. JUPITER LEVER - US10B OIL RUBBED BRONZE FINISH
(3) HINGES, FINISH: 613/US10B, DARK SATIN OIL RUBBED BRONZE
(3) IVES SR64-SILENCERS
(1) IVES: KICK PLATE 8" x 34" PUSH SIDE- BLACK
(1) LCN: 4040XP HOLD OPEN CLOSER. REGULAR ARM-PLASTIC COVER
(1) ASSA ABLOY: DOME STOP COMBINATION UNIT NO.441CU

HARDWARE SET #6

(1) SCHLAGE: AL SERIES LEVER AL50PD- PASSAGE LATCH. JUPITER LEVER - US10B OIL RUBBED BRONZE FINISH
(3) HINGES, FINISH: 613/US10B, DARK SATIN OIL RUBBED BRONZE
(3) IVES SR64-SILENCERS
(1) IVES: KICK PLATE 8" x 34" PUSH SIDE- BLACK
(1) LCN: 4040XP HOLD OPEN CLOSER. REGULAR ARM-PLASTIC COVER
(1) ASSA ABLOY: DOME STOP COMBINATION UNIT NO.441CU

HARDWARE SET #7

(1) SCHLAGE: AL SERIES LEVER AL50PD- PRIVACY LOCK. JUPITER LEVER - US10B OIL RUBBED BRONZE FINISH
(3) HINGES, FINISH: 613/US10B, DARK SATIN OIL RUBBED BRONZE
(3) IVES SR64-SILENCERS
(1) IVES: KICK PLATE 8" x 34" PUSH SIDE- BLACK
(1) LCN: 4040XP HOLD OPEN CLOSER. REGULAR ARM-PLASTIC COVER
(1) ASSA ABLOY: DOME STOP COMBINATION UNIT NO.441CU

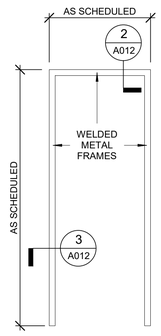
HARDWARE SET #8

(1) SCHLAGE: AL SERIES LEVER AL50PD- CLASSROOM LOCK. JUPITER LEVER - US10B OIL RUBBED BRONZE FINISH
(3) HINGES, FINISH: 613/US10B, DARK SATIN OIL RUBBED BRONZE
(3) IVES SR64-SILENCERS
(1) IVES: KICK PLATE 8" x 34" PUSH SIDE- BLACK
(1) LCN: 4040XP HOLD OPEN CLOSER. REGULAR ARM-PLASTIC COVER
(1) ASSA ABLOY: DOME STOP COMBINATION UNIT NO.441CU

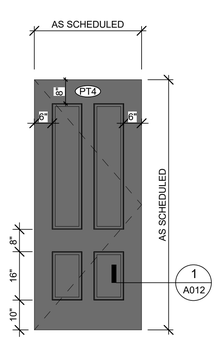
GENERAL NOTES:
1. GC TO COORDINATE KEYING REQUIREMENTS WITH OWNER AND PROPERTY MANAGER PRIOR TO PURCHASE AND INSTALLATION.
2. ALL HARDWARE SETS AS SPECIFIED OR EQUAL. ARCHITECT TO GIVE FINAL APPROVAL PRIOR TO PURCHASE.
3. G.C. TO INVESTIGATE EXISTING HARDWARE TO REMAIN AND REPLACE IF NOT FUNCTIONAL. COORDINATE WITH ARCHITECT. G.C TO CARRY AN ALLOWANCE OF $2,000 FOR REPLACEMENT OR ADDITION TO EXISTING HARDWARE IF REQUIRED.
4. G.C. TO VERIFY ALL EXISTING CONDITIONS AND OPENINGS ON SITE, PRIOR TO DOOR FABRICATION.
5. DOOR 101A AND 102B TO HAVE THE FOLLOWING SIGNAGE, VISIBLE AT ALL TIMES. " DOOR TO REMAIN UNLOCKED DURING HOURS OF OPERATION."
6. ALL DOOR FRAMES TO BE PAINTED (SEMI-GLOSS FINISH)
7. ALL DOORS TO BE PAINTED (SEMI-GLOSS FINISH)
8. G.C. MAY NEED TO ALTER LENGTH OF SECURITY PUSH BAR FOR RESTROOM DOOR HARDWARE BASED ON AVALIABILITY OF BRACKET SET.
9. VERIFY NEED OF DOOR STOP AT EXTERIOR DOOR LOCATIONS.
10. ALL DOOR FRAMES TO BE WELDED.
11. ALL CORE CYLINDERS TO BE SMALL FORMAT INTERCHANGEABLE CORES.

DOOR SCHEDULE

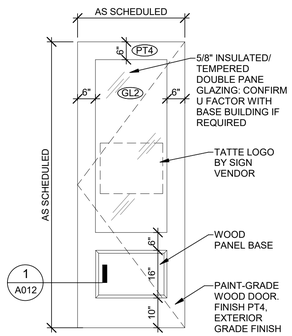
DOOR #	LOCATION	DOOR TYPE	DOOR MATERIAL	WIDTH	HEIGHT	FRAME TYPE	HARDWARE SET #	COMMENTS
1A	KITCHEN	D	WD	3'-0"	6'-8"	1	4	G.C. TO PREP AND PAINT DOOR AND FRAME. FINISH: PT4.
1B	KITCHEN	D	WD	3'-0"	6'-8"	1	4	G.C. TO PREP AND PAINT DOOR AND FRAME. FINISH: PT4.
1C	KITCHEN	D	WD	3'-0"	6'-8"	1	4	G.C. TO PREP AND PAINT DOOR AND FRAME. FINISH: PT4.
2	OFFICE	D	WD	3'-0"	6'-8"	1	5	G.C. TO PREP AND PAINT DOOR AND FRAME. FINISH: PT4.
3	STAIRWELL	D	WD	3'-0"	6'-8"	1	6	G.C. TO PREP AND PAINT DOOR AND FRAME. FINISH: PT4.
4	EMPLOYEE RESTROOM	D	WD	2'-8"	6'-8"	1	7	G.C. TO PREP AND PAINT DOOR AND FRAME. FINISH: PT4.
101A	MAIN ENTRY	B	WD/GL	3'-0"	8'-0"	1	3	G.C TO CONFIRM FINAL DOOR HEIGHT AND WIDTH. R.O TO BE VERIFIED IN FIELD. CONFIRM KEYING WITH LANDLORD. FINISH: PT7
101B	MAIN ENTRY	B	WD/GL	3'-0"	8'-0"	1	3	G.C TO CONFIRM FINAL DOOR HEIGHT AND WIDTH. R.O TO BE VERIFIED IN FIELD. CONFIRM KEYING WITH LANDLORD. FINISH: PT7
104	STAIRWELL	D	WD	3'-0"	7'-0"	1	8	G.C. TO PREP AND PAINT DOOR AND FRAME. FINISH: PT4.
105	MEN'S RESTROOM	A	WD	3'-0"	7'-0"	1	1	G.C. TO PREP AND PAINT DOOR AND FRAME. FINISH: PT4.
106	WOMEN'S RESTROOM	A	WD	3'-0"	7'-0"	1	1	G.C. TO PREP AND PAINT DOOR AND FRAME. FINISH: PT4.
107A	KITCHEN	C	SS	3'-0"	7'-0"	1	2	G.C TO CONFIRM ALL DOOR AND HARDWARE REQUIREMENTS WITH THE ELIASON MANUFACTURER.
107B	BOH EGRESS	EX	EX	3'-6"	7'-0"	EX	EX	CONFIRM KEYING WITH LANDLORD. G.C TO PREP AND PAINT DOOR/ FRAME PT7 - EXTERIOR GRADE.



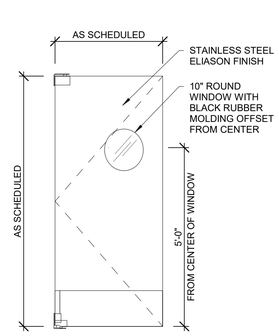
1 HOLLOW METAL FRAME



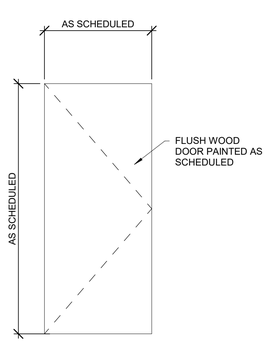
A WOOD PANEL STILE & RAIL



B SINGLE GLASS LITE ON WOOD DOOR



C ELIASON- SINGLE DOOR SS.



D WOOD DOOR

FRAME ELEVATIONS

SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'

0 2' 4'

DOOR ELEVATIONS

SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'

0 2' 4'

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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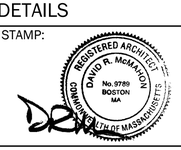
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SCALE: As indicated
DRAWN BY: AT
CHECKED BY: AV
JOB NO: 2022-3904

SHEET TITLE:

HARDWARE, DOOR SCHEDULE, ELEVATIONS & DETAILS

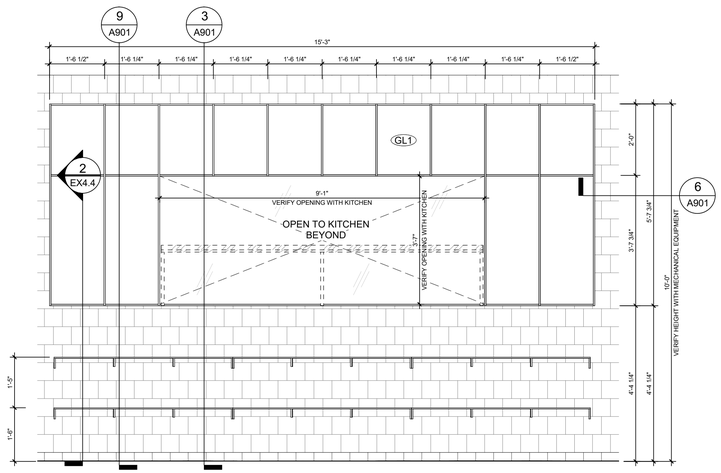
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A012

WINDOW SCHEDULE

TYPE	SPECIFICATION	ROUGH OPENING WIDTH	ROUGH OPENING HEIGHT	FRAME SIZE WIDTH	FRAME SIZE HEIGHT	SCREEN	OPERATION	COMMENTS
A	'L' STEEL GLAZING STOP MUNTIN, OR SIMILAR, WHITE METAL FRAMES AS SCHEDULED. TEMPERED GLAZING.	15'-5"	5'-9 3/4"	15'-3"	5'-7 3/4"	N/A	FIXED	ALL DIMENSIONS TO BE VERIFIED IN FIELD AND FINALIZED WITH KITCHEN VENDOR. GC TO PROVIDE MILLWORKER WITH FINAL ROUGH OPENING SIZES PRIOR TO FABRICATION.



1 KITCHEN PASS WINDOW
SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'
0 2' 4'

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: 1/2" = 1'-0"
DRAWN BY: AT
CHECKED BY: AV
JOB NO: 2022-3904

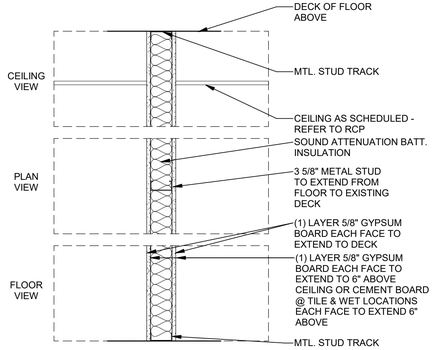
SHEET TITLE:

WINDOW SCHEDULE,
ELEVATIONS & DETAILS

STAMP:

REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON, MA
COMMONWEALTH OF MASSACHUSETTS

A013



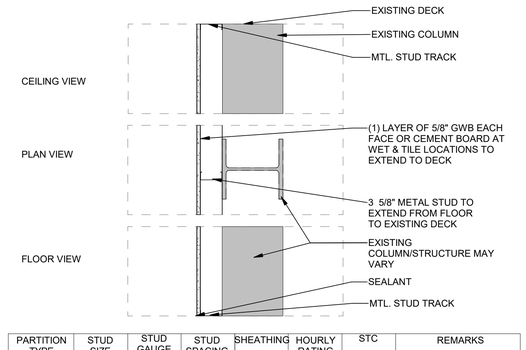
PARTITION TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	SHEATHING	HOURLY RATING	STC	REMARKS
A	3 5/8"	SEE MFR. SPAN CHARTS	16" O.C. MAX.	GYPSUM BOARD	-	-	BATT. INSULATION
A1	3 5/8"	SEE MFR. SPAN CHARTS	16" O.C. MAX.	GYPSUM BOARD	-	-	NO BATT. INSULATION

1 WALL TYPE "A" & "A1"

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



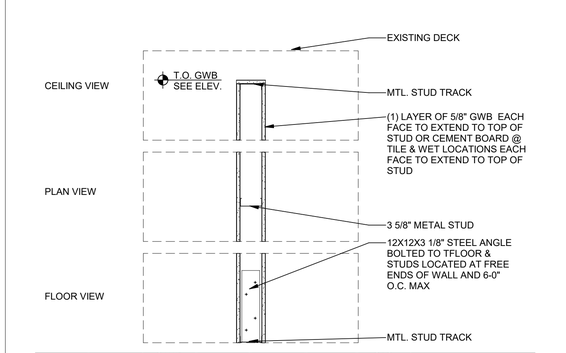
PARTITION TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	SHEATHING	HOURLY RATING	STC	REMARKS
E	3 5/8"	SEE MFR. SPAN CHARTS	16" O.C. MAX	GYPSUM BOARD	-	-	BATT. INSULATION
E1	3 5/8"				-	-	NO BATT. INSULATION
E2	2 1/2"				-	-	NO BATT. INSULATION

2 WALL TYPE "E"

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



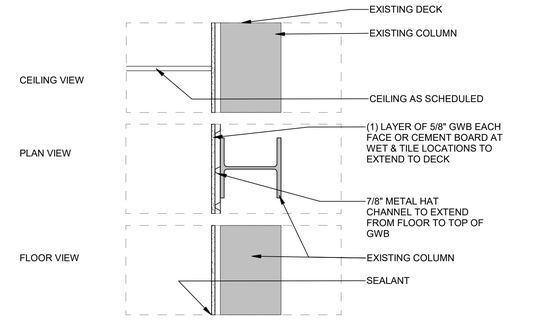
PARTITION TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	SHEATHING	HOURLY RATING	STC	REMARKS
F	3 5/8"	SEE MFR. SPAN CHARTS	16" O.C. MAX	GYPSUM BOARD	-	-	-
-	-				-	-	-

3 WALL TYPE "F"

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



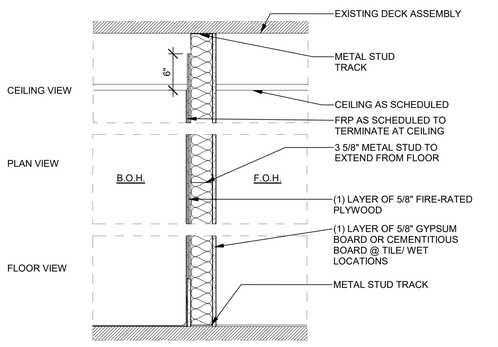
PARTITION TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	SHEATHING	HOURLY RATING	STC	REMARKS
L	7/8"	SEE MFR. SPAN CHARTS	16" O.C. MAX	GYPSUM BOARD	-	-	TO DECK
L1	7/8"				-	-	6" ABOVE CEILING

4 WALL TYPE "L" & "L1"

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



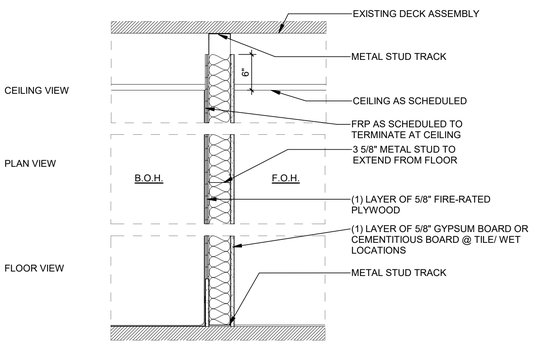
PARTITION TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	SHEATHING	HOURLY RATING	STC	REMARKS
M	3 5/8"	SEE MFR. SPAN CHARTS	16" O.C. MAX	SEE NOTES ABOVE		-	W/ BATT. INSULATION
M1	3 5/8"		16" O.C. MAX			-	NO BATT. INSULATION

5 WALL TYPE "M" & "M1"

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



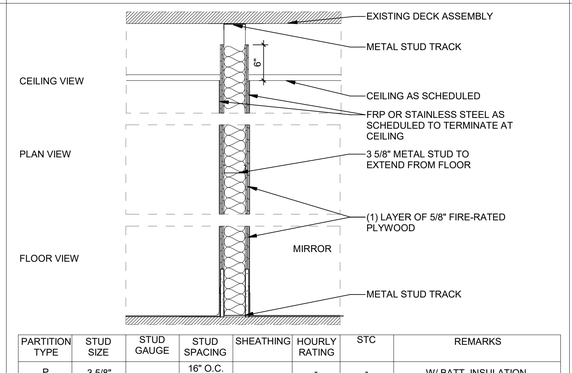
PARTITION TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	SHEATHING	HOURLY RATING	STC	REMARKS
N	3 5/8"	SEE MFR. SPAN CHARTS	16" O.C. MAX	SEE NOTES ABOVE	-	-	W/ BATT. INSULATION
N1	3 5/8"				-	-	NO BATT. INSULATION

6 WALL TYPE "N" & "N1"

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



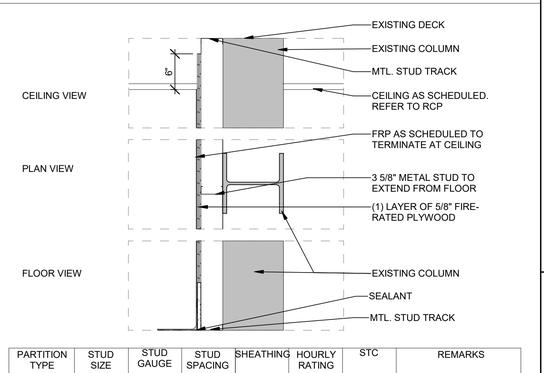
PARTITION TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	SHEATHING	HOURLY RATING	STC	REMARKS
P	3 5/8"	SEE MFR. SPAN CHARTS	16" O.C. MAX	SEE NOTES ABOVE	-	-	W/ BATT. INSULATION
P1	3 5/8"		16" O.C. MAX		-	-	NO BATT. INSULATION
P2	6"		16" O.C. MAX		-	-	NO BATT. INSULATION
P3	3 5/8"		16" O.C. MAX		-	-	NO EPOXY COVE BASE. REPLACE WITH 4" BLACK VINYL WALL BASE AT STORAGE SIDE

7 WALL TYPE "P" SERIES

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



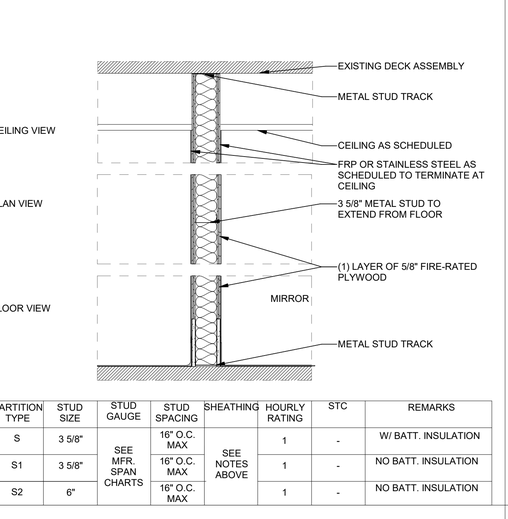
PARTITION TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	SHEATHING	HOURLY RATING	STC	REMARKS
Q	3 5/8"	SEE MFR. SPAN CHARTS	16" O.C. MAX	SEE NOTES ABOVE	-	-	BATT. INSULATION
Q1	3 5/8"				-	-	NO BATT. INSULATION
Q2	2 1/2"				-	-	NO BATT. INSULATION
Q3	6"				-	-	NO BATT. INSULATION
Q4	1 5/8"				-	-	NO BATT. INSULATION

8 WALL TYPE "Q"

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



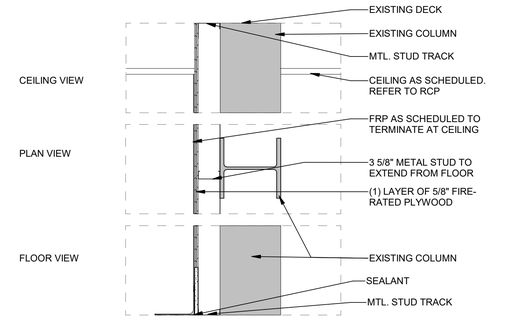
PARTITION TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	SHEATHING	HOURLY RATING	STC	REMARKS
S	3 5/8"	SEE MFR. SPAN CHARTS	16" O.C. MAX	SEE NOTES ABOVE	1	-	W/ BATT. INSULATION
S1	3 5/8"		16" O.C. MAX		1	-	NO BATT. INSULATION
S2	6"		16" O.C. MAX		1	-	NO BATT. INSULATION

9 WALL TYPE "S" SERIES

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



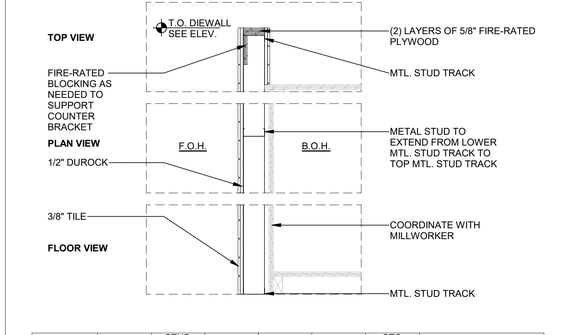
PARTITION TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	SHEATHING	HOURLY RATING	STC	REMARKS
T	3 5/8"	SEE MFR. SPAN CHARTS	16" O.C. MAX	SEE NOTES ABOVE	-	-	BATT. INSULATION
T1	3 5/8"				-	-	NO BATT. INSULATION
T2	2 1/2"				-	-	NO BATT. INSULATION

10 WALL TYPE "T" SERIES

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



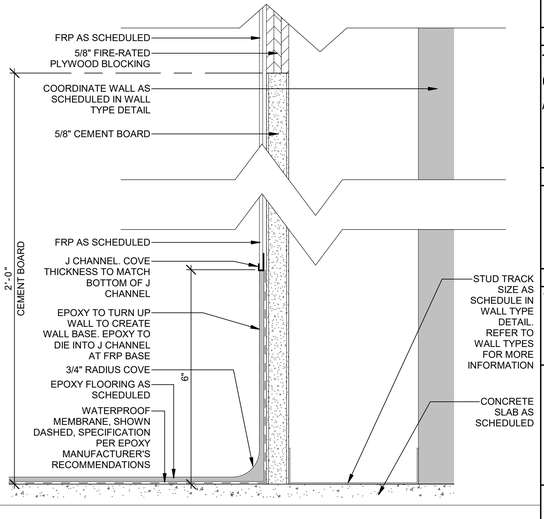
PARTITION TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	SHEATHING	HOURLY RATING	STC	REMARKS
X	1 5/8"	SEE MFR. SPAN CHARTS	16" O.C. MAX	1/2" DUROCK	-	-	NO BATT. INSULATION
X1	3 5/8"				-	-	NO BATT. INSULATION
X2	6"				-	-	NO BATT. INSULATION

11 WALL TYPE "X" SERIES

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



12 EPOXY COVE DETAIL

SCALE: 6" = 1'-0"

Scale: 6" = 1'

0 0.25' 0.5'

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13
2	MEP COORDINATION	2022-10-05

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ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: KG
CHECKED BY: AV
JOB NO: 2022-3904

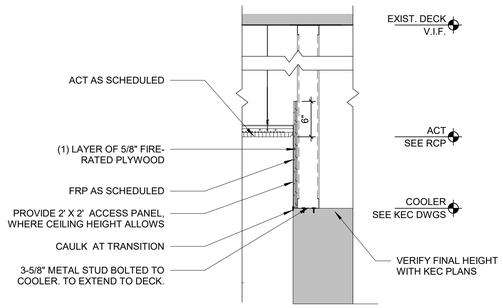
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WALL TYPES

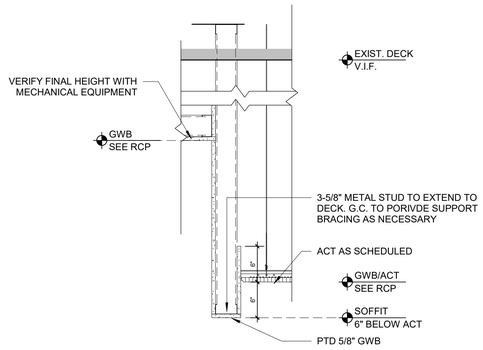
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REGISTERED ARCHITECT DAVID R. McMAHON No. 9789 BOSTON MA COMMONWEALTH OF MASSACHUSETTS

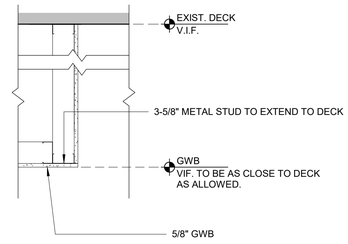
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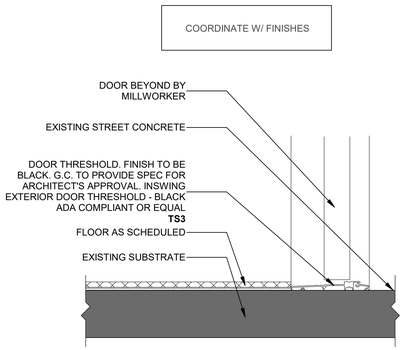
1 CEILING TRANSITION AT WALK-IN COOLER
SCALE: 1" = 1'-0"
Scale: 1" = 1'
0 1' 2'



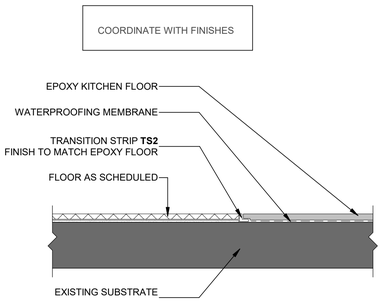
2 CEILING TRANSITION AT ACT TO GWB
SCALE: 1" = 1'-0"
Scale: 1" = 1'
0 1' 2'



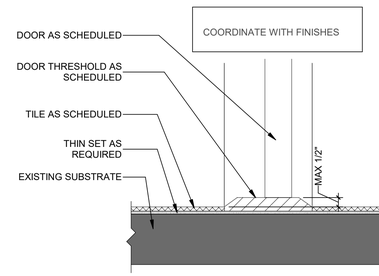
3 TYPICAL SOFFIT SECTION
SCALE: 1" = 1'-0"
Scale: 1" = 1'
0 1' 2'



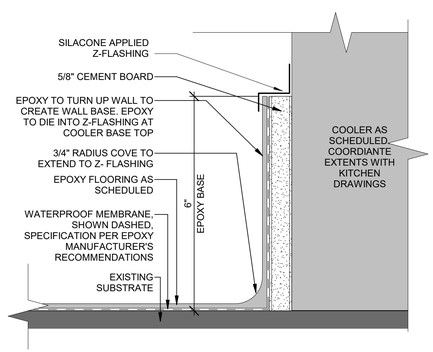
4 FLOOR TILE TO EXTERIOR THRESHOLD
SCALE: 3" = 1'-0"
Scale: 3" = 1'
0 4" 1'



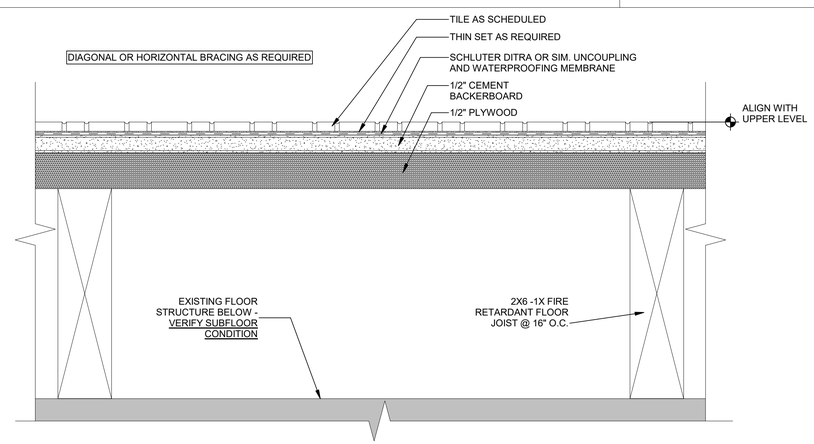
5 FLOOR TILE TO EPOXY
SCALE: 3" = 1'-0"
Scale: 3" = 1'
0 4" 1'



6 THRESHOLD AT RESTROOM
SCALE: 3" = 1'-0"
Scale: 3" = 1'
0 4" 1'



7 COOLER BASE - COVER
SCALE: 6" = 1'-0"
Scale: 6" = 1'
0 0.25' 0.5'



8 FLOOR INFILL SECTION DETAIL
SCALE: 6" = 1'-0"
Scale: 6" = 1'
0 0.25' 0.5'

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: KG
CHECKED BY: AV
JOB NO: 2022-3904

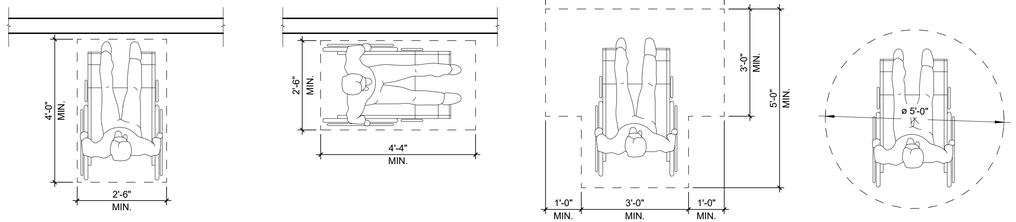
SHEET TITLE:

FLOOR & CEILING DETAILS

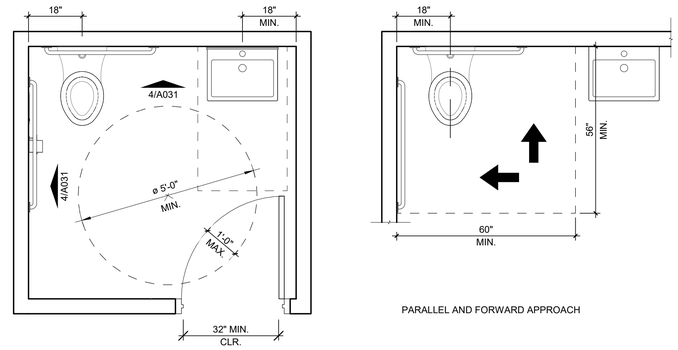
STAMP:

REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA
COMMONWEALTH OF MASSACHUSETTS

A022

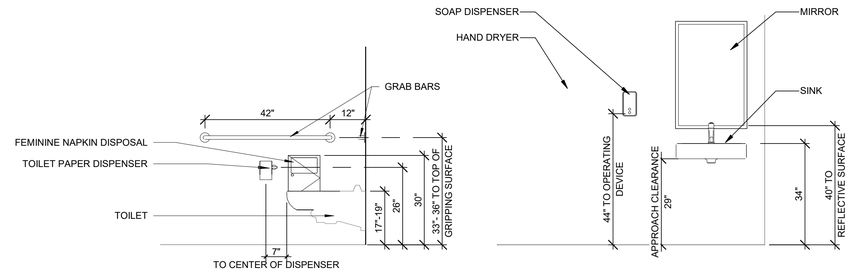


1 WHEELCHAIR TURNING SPACE
SCALE: 1/2" = 1'-0"

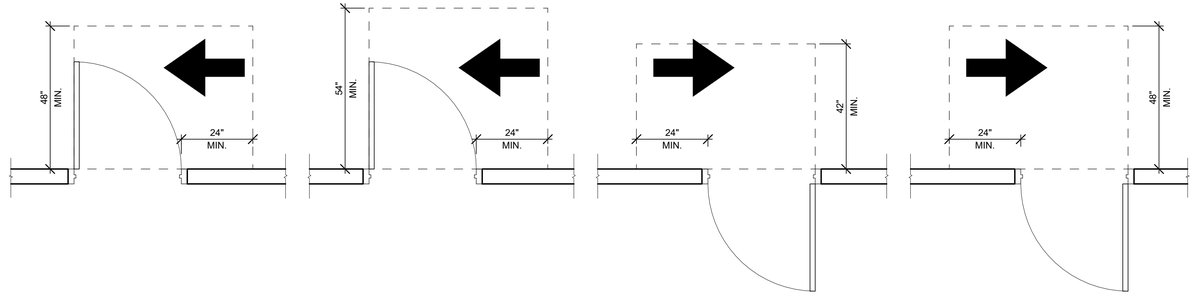


PARALLEL AND FORWARD APPROACH

2 WATER CLOSET CLEARANCES
SCALE: 1/2" = 1'-0"



4 ADA BATHROOM MOUNTING HEIGHTS
SCALE: 1/2" = 1'-0"



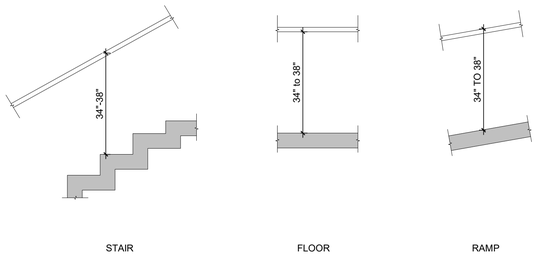
LATCH APPROACH, PULL SIDE

LATCH APPROACH, PULL SIDE
DOOR PROVIDED WITH CLOSER

LATCH APPROACH, PUSH SIDE

LATCH APPROACH, PUSH SIDE
DOOR PROVIDED WITH BOTH CLOSER AND LATCH

3 LATCH APPROACH
SCALE: 1/2" = 1'-0"

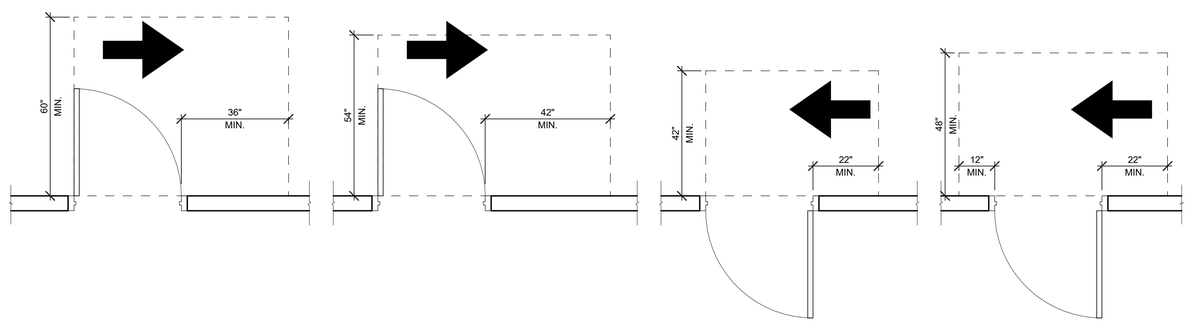


STAIR

FLOOR

RAMP

5 HANDRAIL HEIGHT
SCALE: 1/2" = 1'-0"



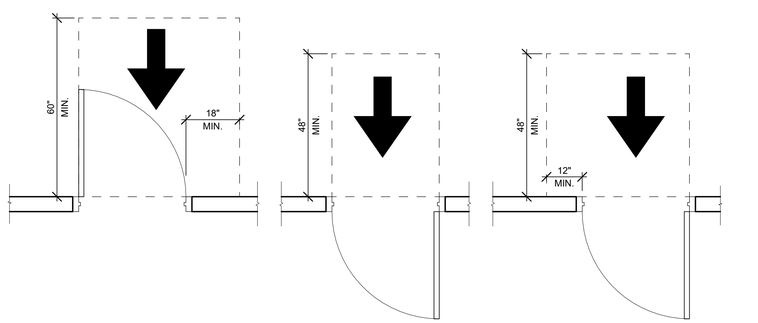
HINGE APPROACH, PULL SIDE

HINGE APPROACH, PULL SIDE

HINGE APPROACH, PUSH SIDE

HINGE APPROACH, PUSH SIDE
DOOR PROVIDED WITH BOTH CLOSER AND LATCH

6 HINGE APPROACH
SCALE: 1/2" = 1'-0"



FRONT APPROACH, PULL SIDE

FRONT APPROACH, PUSH SIDE

FRONT APPROACH, PUSH SIDE
DOOR PROVIDED WITH BOTH CLOSER AND LATCH

7 FRONT APPROACH
SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'
0 2' 4'

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE,
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PROJECT INFORMATION:

SCALE: 1/2" = 1'-0"
DRAWN BY: AT
CHECKED BY: AV
JOB NO: 2022-3904

SHEET TITLE:

ADA SUMMARY, MOUNTING HEIGHTS

STAMP:

COMMONWEALTH OF MASSACHUSETTS
REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA

A031

EGRESS LEGEND

44"	44" EGRESS PATH-PRIMARY FRONT OF HOUSE		MAXIMUM LENGTH OF TRAVEL
36"	36" EGRESS PATH-SECONDARY FRONT OF HOUSE		LONGEST PATH OF EGRESS TRAVEL
36"	36" EGRESS PATH BACK OF HOUSE		EXIT DOORWAY/EXIT
48" 30" 19"	5% TABLES TO BE ACCESSIBLE **NOT INCLUDING EMPLOYEES		PROPOSED FIRE EXTINGUISHER LOCATIONS: EVERY 75'
			EXIT SIGN
F	PULL STATION		EXIT SIGN WITH DIRECTIONAL
	STROBE		EMERGENCY LIGHTING
	HORN STROBE	C	EMERGENCY LIGHTING-CEILING MOUNTED

TOTAL EGRESS PATH LENGTHS

PATH	LENGTH OF TRAVEL
PATH A	63'-0"
PATH B	63'-0"
PATH C - BOH	36'-7"
PATH D - BOH (BASEMENT)	69'-7"
PATH E - BOH (BASEMENT)	92'-8"
PATH P - PATIO	63'-5"

NOTE:
EXHAUST/SUPPLY FANS AND DUCT WORK ARE NIC.
LOCATIONS TBD IN FIELD BY OWNER/ARCHITECT.

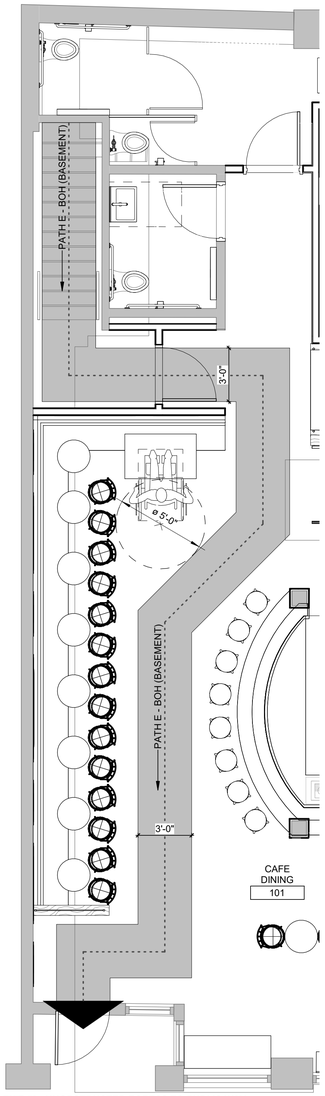
STAIR 2
37" WIDE W/ 34" DOOR
EGRESS CAPACITY (STAIR) =
37" / 0.2 = 185 OCCUPANTS
EGRESS CAPACITY (DOOR) =
34" / 0.15 = 227 OCCUPANTS
EXIT CAPACITY = 185

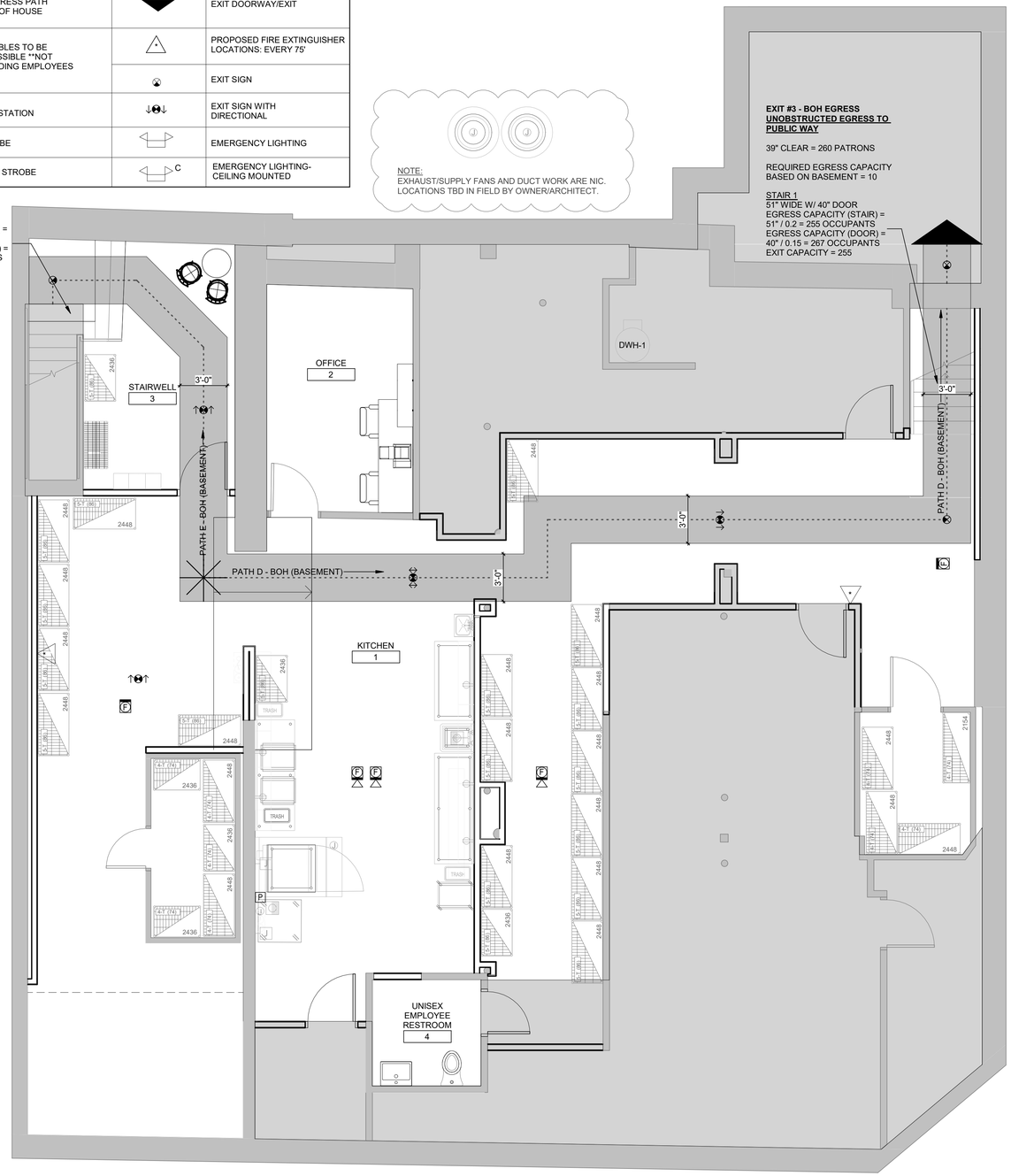
EXIT #3 - BOH EGRESS UNOBSTRUCTED EGRESS TO PUBLIC WAY

39" CLEAR = 260 PATRONS

REQUIRED EGRESS CAPACITY BASED ON BASEMENT = 10

STAIR 1
51" WIDE W/ 40" DOOR
EGRESS CAPACITY (STAIR) =
51" / 0.2 = 255 OCCUPANTS
EGRESS CAPACITY (DOOR) =
40" / 0.15 = 267 OCCUPANTS
EXIT CAPACITY = 255





EXIT #2 - UNOBSTRUCTED EGRESS TO PUBLIC WAY
DOOR TO REMAIN UNLOCKED AND UNLATCHED DURING OPERATION HOURS
33" CLEAR = 220 PATRONS

REQUIRED EGRESS CAPACITY BASED ON MAIN ENTRY = 75
REQUIRED EGRESS CAPACITY BASED ON BASEMENT = 10
TOTAL = 85

1 EGRESS PLAN CONTINUED - FIRST FLOOR
SCALE: 1/4" = 1'-0"
Scale: 1/4" = 1'
0 4' 8'

2 EGRESS PLAN - BASEMENT
SCALE: 1/4" = 1'-0"
Scale: 1/4" = 1'
0 4' 8'

CODE INFORMATION

1. APPLICABLE CODE: MASSACHUSETTS STATE BUILDING CODE/IBC/IEBC 2015 780 CMR 9TH EDITION
2. ACCESSIBILITY CODE: MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (MAAB) 2006 & ADA STANDARDS FOR ACCESSIBLE DESIGN 2010
3. FIRE RESISTANCE RATINGS (TABLE 601)
   CONSTRUCTION CLASSIFICATION: TYPE III-A
   A. EXTERIOR WALLS: 2
   B. PRIMARY STRUCTURAL FRAME: 1
   C. FLOOR/CEILING/ROOF: 1

CODE ANALYSIS

CODE ANALYSIS PER 2015 INTERNATIONAL BUILDING CODE AND 9TH EDITION MASSACHUSETTS BUILDING CODE

CHAPTER	DESCRIPTION	SECTION
CHAPTER 3 USE GROUP	BUILDING USE GROUP B, A-2 RESTAURANT IS USE GROUP A-2 (RESTAURANT)	303.3
CHAPTER 9 FIRE PROTECTION	BUILDING IS FULLY SPRINKLERED EMERGENCY LIGHT, EXIT SIGNS AND EGRESS DOOR PANIC HARDWARE DESIGNED PER MASSACHUSETTS BUILDING CODE FIRE ALARM SYSTEM PROVIDED PER REQUIREMENTS IN 527 CMR VIA CHAPTER 24.00 FIRE WARNING SYSTEMS INSTALLED IN BUILDING WITH THE COMMONWEALTH OF MASSACHUSETTS. REFER TO ENGINEER'S FIRE ALARM DRAWINGS FOR MORE INFORMATION.	903.1
CHAPTER 10 MEANS OF EGRESS	RESTAURANT UNCONCENTRATED LOOSE SEATING ALLOWABLE OCCUPANCY LOAD: 705 SQ.FT @ 15 SQ.FT/OCC = 47 ALLOWED FIXED SEATING AREA ALLOWABLE OCCUPANCY LOAD: 1,044" @ 18 IN/OCC = 58 ALLOWED OCCUPANTS COUNTER SEATING ALLOWABLE OCCUPANCY LOAD: 175 SQ.FT @ 7 SQ.FT = 25 ALLOWED OCCUPANTS GROSS AREA ALLOWABLE EMPLOYEE OCCUPANCY LOAD: 4000 GROSS SF @ 200 SF = 20 ALLOWED EMPLOYEES TOTAL ALLOWABLE OCCUPANCY LOAD: 47 UNCONCENTRATED + 58 FIXED SEATING + 25 COUNTER SEATING + 20 EMPLOYEES = 150 ALLOWED OCCUPANTS TOTAL ACTUAL OCCUPANT LOAD 47 UNCONCENTRATED + 39 FIXED SEATING + 25 COUNTER SEATING + 20 EMPLOYEES = 131 ACTUAL OCCUPANTS	1004.1.2
	MAXIMUM LENGTH OF TRAVEL TO EXIT (SPRINKLERED) — REQ'D 250 FT — PROVIDED 95'-2" MAX EGRESS WIDTH (UNDER 50 = 36", OVER 50 = 44")	1017.2
	EXIT REMOTENESS, WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM. THE MINIMUM SEPARATION SHALL BE NOT LESS THAN ONE-THIRD OF THE LENGTH OF MAXIMUM OVERALL DIAGONAL DIMENSION OF AREA SERVED. ACTUAL MAXIMUM DIAGONAL = 87'-1" REQUIRED EXIT SEPARATION = 29'-1" ACTUAL EXIT SEPARATION = 55'-1" MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD 1-500, REQUIRED NUMBER OF EXITS = 2 ACTUAL NUMBER OF EXITS PROVIDED = 3	1007.1.1.2 1006.3.1
	EXIT REQUIREMENTS: MINIMUM REQUIRED EGRESS PATH WIDTH (W/ SPRINKLER SYSTEM): TOTAL OCCUPANT LOAD 131 X 0.15 = 19.6" ACTUAL EXIT WIDTHS: 33" + 33" +39" = 105" EXIT ACCESS PASSAGEWAYS, AISLE ACCESSWAYS, AISLES AND CORRIDORS :MINIMUM WIDTH REQUIRED 44" WHERE SERVING AN OCCUPANT GREATER THAN 50	1005.3.2.2
521 CMR CHAPTER 11 ACCESSIBILITY	A 36 INCH ACCESS AISLE SHALL BE PROVIDED BETWEEN ALL ACCESSIBLE TABLES. NO SEATING SHALL OVERLAP THE ACCESS AISLE. DINING SURFACES: AT LEAST 5% BUT NOT LESS THAN ONE, OF THE DINING SURFACES FOR THE SEATING AND STANDING SPACES SHALL BE ACCESSIBLE AND DISTRIBUTED THROUGHOUT THE FACILITY AND BE LOCATED ON A LEVEL ASSCESSED BY AN ACCESSIBLE ROUTE. 21 DINING SURFACES x 0.05 = 1.05 2 TABLES REQUIRED - 2 TABLES PROVIDED	17. 2.2 1108.2.9.1
CHAPTER 12 INTERIOR ENVIRONMENT	REQ'D — PROVIDED *DINING MINIMUM CEILING HEIGHT: 7'-6" — 10'-8" - 13'-4" (VARIES) *KITCHEN MINIMUM CEILING HEIGHT: 7'-0" — 7'-0" - 10'-0" (VARIES)	1208.2

CODE 248 CMR - PLUMBING

CHAPTER	DESCRIPTION	SECTION
CHAPTER 10 248 CMR PLUMBING SYSTEMS	TOILET CALCULATIONS TOTAL ALLOWED: WOMEN'S TOTAL 1/30 : (1 / PER 30 OCCUPANTS) = NUMBER OF FIXTURES MEN'S TOTAL 1/60: (1 / PER 60 OCCUPANTS) = NUMBER OF FIXTURES TOTAL ACTUAL (FOH): TOTAL 120/2 = 60 MEN AND 60 WOMEN WOMEN'S 60/30 = 2 FIXTURES REQUIRED - 2 FIXTURES PROVIDED MEN'S 60/60 = 1 FIXTURE - 1 FIXTURE PROVIDED TOTAL ACTUAL (BOH): EMPLOYEE RESTROOM - 1 UNISEX FIXTURE PROVIDED TO ACCOMMODATE UP TO 20 EMPLOYEES	10.10

NORTH ARROWS:
PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13
2	MEP COORDINATION	2022-10-05

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JOB TITLE & ADDRESS:
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645 MASSACHUSETTS AVE,
ARLINGTON, MA 02476

PROJECT INFORMATION:
SCALE: As indicated
DRAWN BY: KG
CHECKED BY: AV
JOB NO: 2022-3904

SHEET TITLE:
EGRESS PLAN & CODE ANALYSIS - BASEMENT

STAMP:
REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA
COMMONWEALTH OF MASSACHUSETTS

A040

TOTAL EGRESS PATH LENGTHS

PATH	LENGTH OF TRAVEL
PATH A	63'-0"
PATH B	63'-0"
PATH C - BOH	36'-7"
PATH D - BOH (BASEMENT)	69'-7"
PATH E - BOH (BASEMENT)	92'-8"
PATH P - PATIO	63'-5"

SEAT CHART

	AREA & QUANTITY	TOTAL
◇	UNCONCENTRATED	47
○	FIXED SEATING	39
□	COUNTER SEATING	25
	MAXIMUM SEATING CAPACITY	***111***
	EMPLOYEES	20
	TOTAL OCCUPANCY:	**131**

EGRESS LEGEND

44"	44" EGRESS PATH-PRIMARY FRONT OF HOUSE
36"	36" EGRESS PATH-SECONDARY FRONT OF HOUSE
36"	36" EGRESS PATH BACK OF HOUSE
48" / 30" / 19"	5% TABLES TO BE ACCESSIBLE **NOT INCLUDING EMPLOYEES
F	PULL STATION
	STROBE
	HORN STROBE
	MAXIMUM LENGTH OF TRAVEL
	LONGEST PATH OF EGRESS TRAVEL
	EXIT DOORWAY/EXIT
	PROPOSED FIRE EXTINGUISHER LOCATIONS: EVERY 75'
	EXIT SIGN
	EXIT SIGN WITH DIRECTIONAL
	EMERGENCY LIGHTING
C	EMERGENCY LIGHTING-CEILING MOUNTED
P	HOOD SUPPRESSION SYSTEM RELEASE MANUAL PULL STATION

CODE INFORMATION

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2. ACCESSIBILITY CODE: MASSACHUSETTS ARCHITECTURAL ACCESS BOARD (MAAB) 2006 & ADA STANDARDS FOR ACCESSIBLE DESIGN 2010
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CODE ANALYSIS

CODE ANALYSIS PER 2015 INTERNATIONAL BUILDING CODE AND 9TH EDITION MASSACHUSETTS BUILDING CODE

CHAPTER	DESCRIPTION	SECTION
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	MAXIMUM LENGTH OF TRAVEL TO EXIT (SPRINKLERED) — REQ'D: 250 FT — PROVIDED: 95'-2" MAX EGRESS WIDTH (UNDER 50 = 36", OVER 50 = 44")	1017.2
	EXIT REMOTENESS, WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM. THE MINIMUM SEPARATION SHALL BE NOT LESS THAN ONE-THIRD OF THE LENGTH OF MAXIMUM OVERALL DIAGONAL DIMENSION OF AREA SERVED. ACTUAL MAXIMUM DIAGONAL = 87'-1" REQUIRED EXIT SEPARATION = 29'-1" ACTUAL EXIT SEPARATION = 55'-1" MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD 1-500, REQUIRED NUMBER OF EXITS = 2 ACTUAL NUMBER OF EXITS PROVIDED = 3	1007.1.1.2 1006.3.1
	EXIT REQUIREMENTS: MINIMUM REQUIRED EGRESS PATH WIDTH (W/ SPRINKLER SYSTEM): TOTAL OCCUPANT LOAD 131 X 0.15 = 19.6" ACTUAL EXIT WIDTHS: 33" + 33" +39" = 105" EXIT ACCESS PASSAGEWAYS, AISLE ACCESSWAYS, AISLES AND CORRIDORS :MINIMUM WIDTH REQUIRED 44" WHERE SERVING AN OCCUPANT GREATER THAN 50	1005.3.2.2
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CHAPTER 12 INTERIOR ENVIRONMENT	*DINING MINIMUM CEILING HEIGHT: — REQ'D: 7'-6" — PROVIDED: 10'-8" - 13'-4" (VARIES) *KITCHEN MINIMUM CEILING HEIGHT: — REQ'D: 7'-0" — PROVIDED: 7'-0" - 10'-0" (VARIES)	1208.2

CODE 248 CMR - PLUMBING

CHAPTER	DESCRIPTION	SECTION
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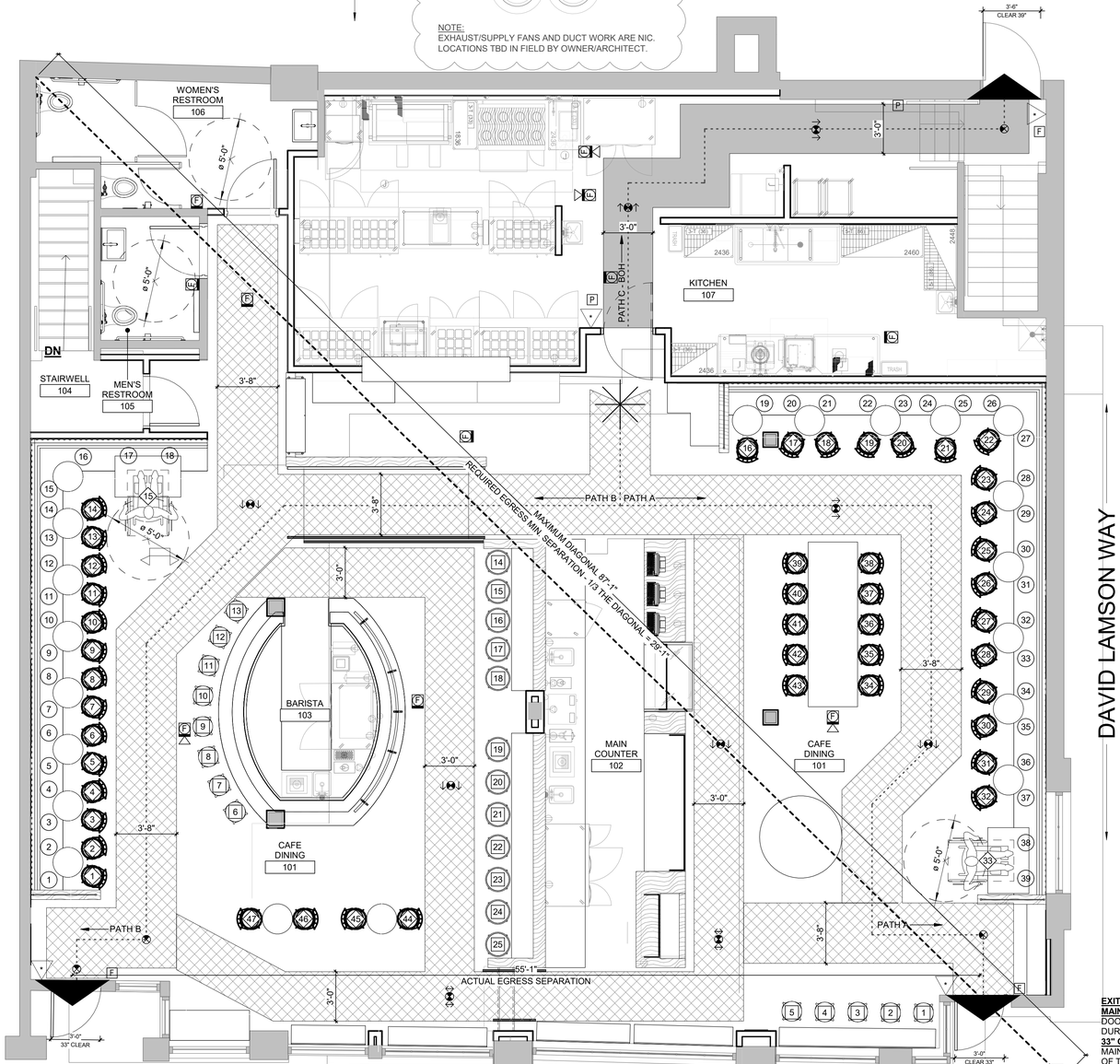
PARKING LOT

DUMPSTERS

NOTE:
EXHAUST/SUPPLY FANS AND DUCT WORK ARE NIC.
LOCATIONS TBD IN FIELD BY OWNER/ARCHITECT.

EXIT #3 - BOH EGRESS
UNOBSTRUCTED EGRESS TO PUBLIC WAY

39" CLEAR = 260 PATRONS
REQUIRED EGRESS CAPACITY BASED ON BASEMENT = 10



DAVID LAMSON WAY

EXIT #2 - UNOBSTRUCTED EGRESS TO PUBLIC WAY
DOOR TO REMAIN UNLOCKED AND UNLATCHED DURING OPERATION HOURS
33" CLEAR = 220 PATRONS

REQUIRED EGRESS CAPACITY BASED ON MAIN ENTRY = 75
REQUIRED EGRESS CAPACITY BASED ON BASEMENT = 10
TOTAL = 85

EXIT #1
MAIN EXIT - UNOBSTRUCTED EGRESS TO PUBLIC WAY
DOOR TO REMAIN UNLOCKED AND UNLATCHED DURING OPERATION HOURS
33" CLEAR = 220 PATRONS
MAIN EGRESS MUST ACCOMMODATE EGRESS FOR 1/2 OF TOTAL OCCUPANTS

TOTAL OCCUPANCY: 150
HALF CAPACITY: 75

MASSACHUSETTS AVE

1 EGRESS PLAN - FIRST FLOOR
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13
2	MEP COORDINATION	2022-10-05

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PROJECT INFORMATION:

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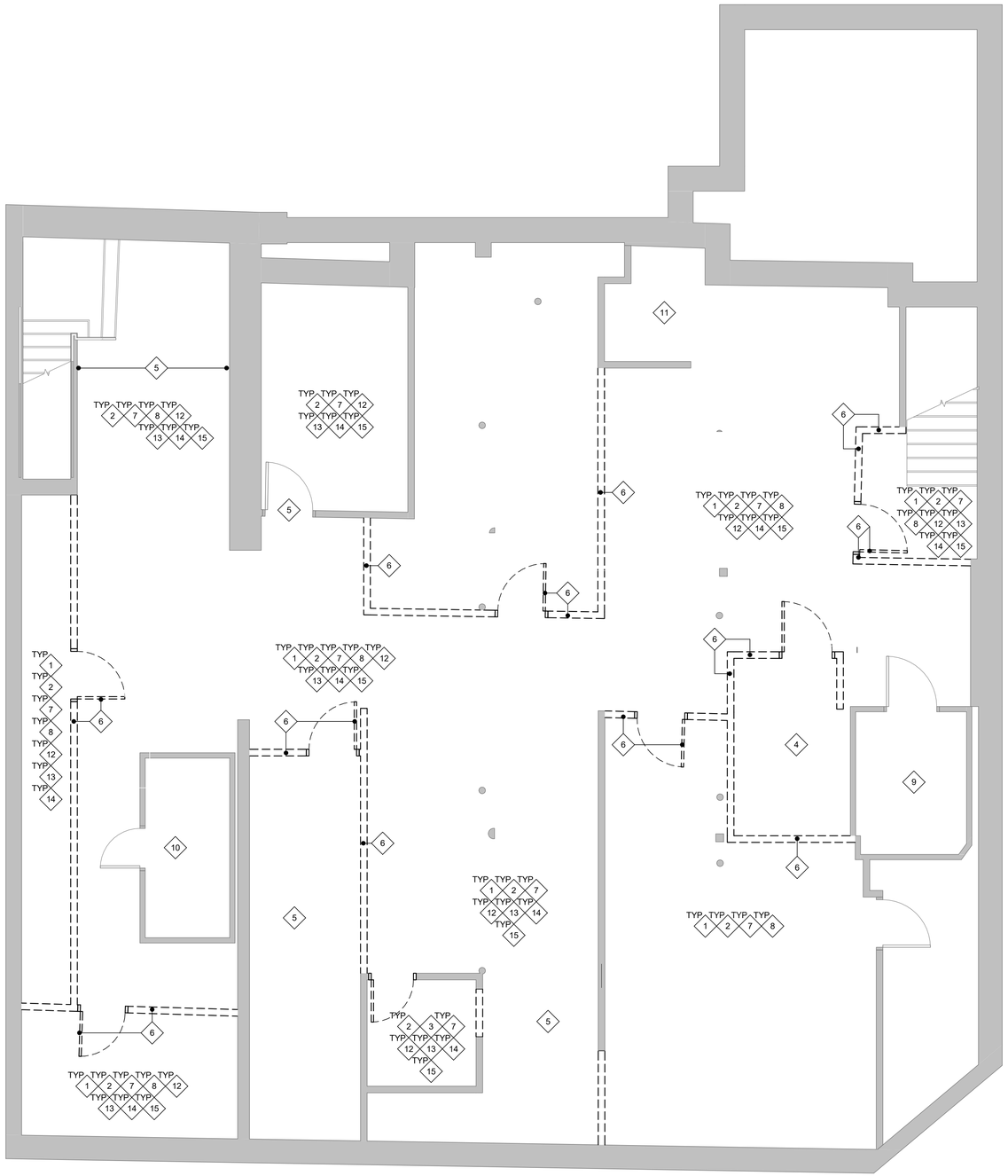
SHEET TITLE:

EGRESS PLAN & CODE ANALYSIS - FIRST FLOOR

STAMP:

REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA
COMMONWEALTH OF MASSACHUSETTS

A041



1 DEMO KEYNOTE PLAN - BASEMENT
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

DEMOLITION KEYNOTES-FLOOR PLAN

THE DEMOLITION KEY NOTES BELOW ARE TO PROVIDE THE GENERAL CONTRACTOR WITH A GENERAL OVERVIEW OF THE SCOPE OF DEMOLITION WORK. THESE SYMBOLS DO NOT REPRESENT THE ENTIRE SCOPE OF DEMOLITION THAT WILL BE REQUIRED. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE AS-BUILT CONDITIONS AS WELL AS THE SCOPE OF NEW CONSTRUCTION TO DETERMINE THE COMPLETE SCOPE OF REQUIRED DEMOLITION.

GENERAL NOTES:

- PRESERVE EXISTING POWER CONNECTIONS FOR REASSIGNMENT WHERE APPLICABLE
- IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE EFFECTED AREAS TO NO ADDITIONAL COST TO THE OWNER.
- G.C. TO COORDINATE ALL FLOOR PENETRATIONS FOR BOH REQUIRED TRENCHING BASED ON KITCHEN EQUIPMENT REQUIREMENTS

1. REMOVE WALL FINISHES, SUBSTRATE AND ALL ASSOCIATED DEVICES. FULL HEIGHT WALLS TO BE REMOVED ALL THE WAY TO THE UNDERSIDE OF THE DECK.
2. REMOVE ALL FLOOR FINISH LAYERS AND INVESTIGATE STRUCTURAL SOUNDNESS OF CONCRETE FLOOR BELOW. COMMUNICATE FINDINGS WITH ARCHITECTS. TYP
3. RESTROOM FOOTPRINT TO REMAIN.
4. REMOVE EXISTING WALK-IN COOLER INFRASTRUCTURE
5. PROTECT AND PRESERVE DOORS AND WALL TO REMAIN DURING DEMO. PATCH AND REPAIR AS NEEDED
6. REMOVE WALL, DOOR FRAME AND DOOR. REMOVE WALLS AND ALL ASSOCIATED DEVICES ALL THE WAY TO THE UNDERSIDE OF THE DECK.
7. REMOVE MEP EQUIPMENT
8. GC TO INSPECT IF THERE ARE ANY STRUCTURAL ELEMENTS INSIDE WALL. COMMUNICATE AND CONFIRM ALL FINDINGS WITH ARCHITECT.
9. EXISTING FREEZER TO REMAIN
10. EXISTING WALK-IN COOLER TO REMAIN
11. REMOVE EXISTING WATER HEATER
12. REMOVE ALL EXISTING CEILINGS IN BOH AREAS IN SCOPE. ALL ASSOCIATED LIGHTING, FIRE PROTECTION DEVICES AND MECHANICAL SYSTEMS TO BE REMOVED AND CAPED TO SOURCE
13. GC TO INSPECT IF THERE ARE ANY STRUCTURAL ELEMENT ISSUES ABOVE EXISTING CEILINGS. COMMUNICATE AND CONFIRM ALL FINDINGS WITH ARCHITECT
14. REMOVE ALL HANGERS, FASTENERS AND SUPPORT INFRASTRUCTURE FROM EXISTING STRUCTURE ABOVE.
15. ALL EXISTING ACT CEILING TILES AND SUSPENSION SYSTEMS TO BE REMOVED. ALL ASSOCIATED LIGHTING, FIRE PROTECTION DEVICES AND MECHANICAL SYSTEMS TO BE REMOVED AND CAPED TO SOURCE. G.C. TO CONFIRM ANY REUSABLE CONNECTIONS. G.C. TO REMOVE PERIMETER GRID AND PATCH ANY EXISTING TO REMAIN WALLS AS NECESSARY.

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13
2	MEP COORDINATION	2022-10-05

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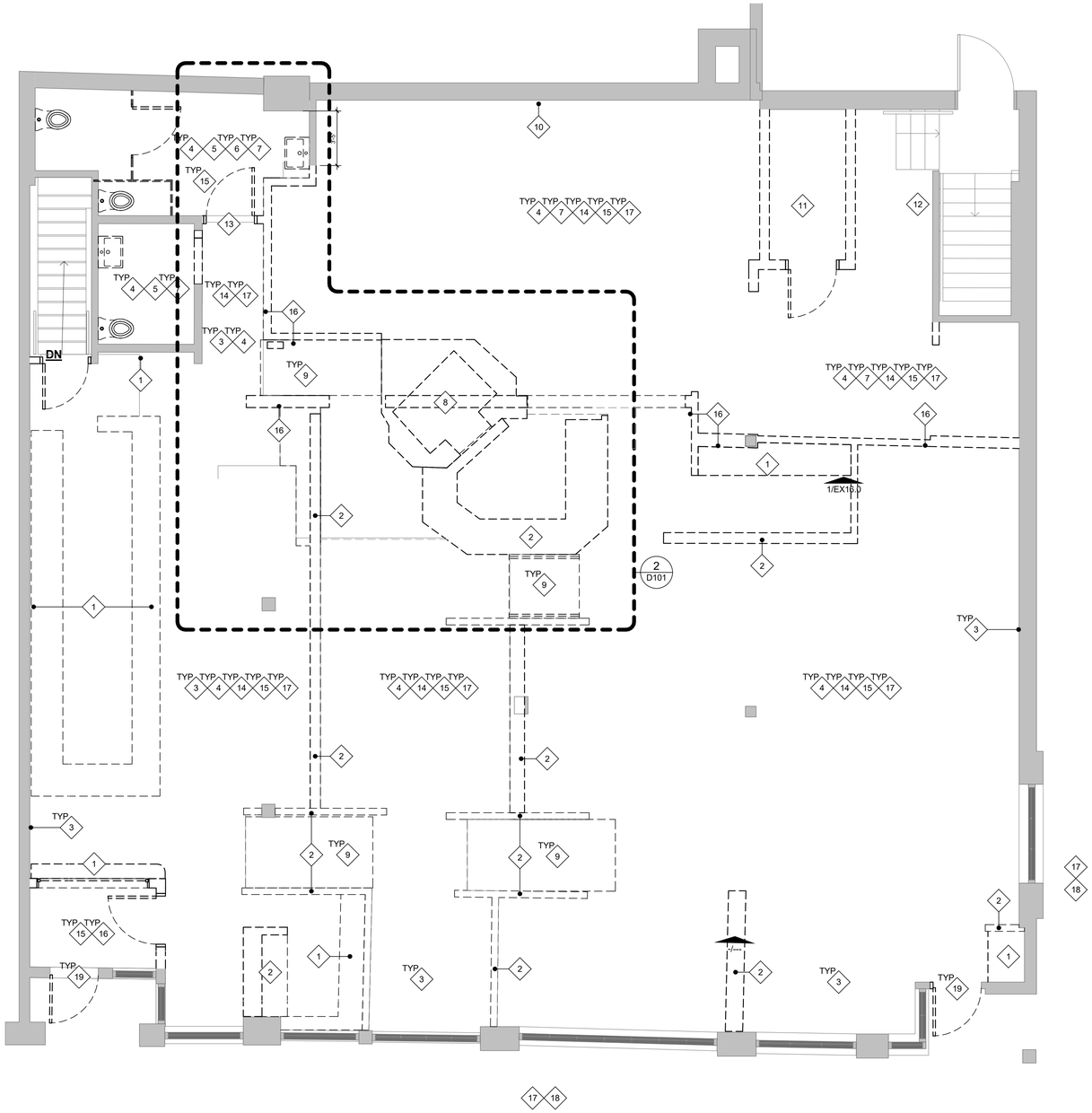
SHEET TITLE:

DEMO KEYNOTE PLAN - BASEMENT

STAMP:

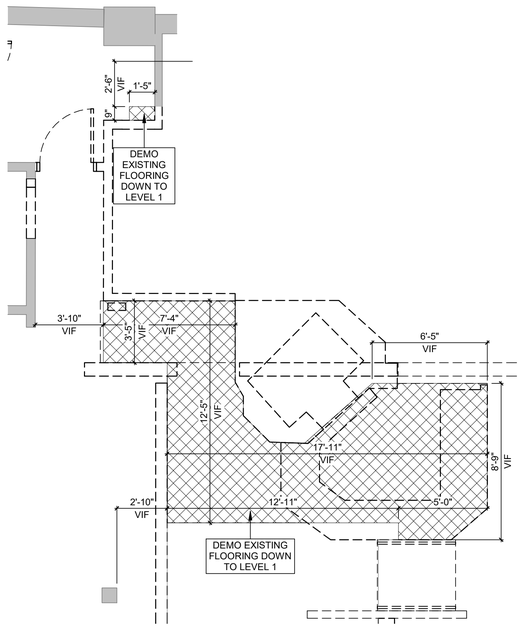
REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA
COMMONWEALTH OF MASSACHUSETTS

D100



1 DEMO KEYNOTE PLAN - FIRST FLOOR
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'



2 DEMO KEYNOTE PLAN - FIRST FLOOR - FLOOR DEMO CALLOUT
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

DEMOLITION KEYNOTES-FLOOR PLAN

THE DEMOLITION KEY NOTES BELOW ARE TO PROVIDE THE GENERAL CONTRACTOR WITH A GENERAL OVERVIEW OF THE SCOPE OF DEMOLITION WORK. THESE SYMBOLS DO NOT REPRESENT THE ENTIRE SCOPE OF DEMOLITION THAT WILL BE REQUIRED. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE AS-BUILT CONDITIONS AS WELL AS THE SCOPE OF NEW CONSTRUCTION TO DETERMINE THE COMPLETE SCOPE OF REQUIRED DEMOLITION.

GENERAL NOTES:

- PRESERVE EXISTING POWER CONNECTIONS FOR REASSIGNMENT WHERE APPLICABLE
- IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE EFFECTED AREAS TO NO ADDITIONAL COST TO THE OWNER.
- G.C. TO COORDINATE ALL FLOOR PENETRATIONS FOR BOH REQUIRED TRENCHING BASED ON KITCHEN EQUIPMENT REQUIREMENTS

1. REMOVE EXISTING CASEWORK
2. REMOVE HALF WALLS AND ASSOCIATED ARCHITECTURAL ELEMENTS, LIKE SCREENS, RAILINGS AND WALL MOUNTED FIXTURES
3. REMOVE WALL FINISHES, SUBSTRATE AND ALL ASSOCIATED DEVICES. FULL HEIGHT WALLS TO BE REMOVED ALL THE WAY TO THE UNDERSIDE OF THE DECK.
4. REMOVE ALL FLOOR FINISH LAYERS DOWN TO FLOORING UNDERLAYMENT AND INVESTIGATE STRUCTURAL SOUNDNESS OF ELEMENTS BELOW. COMMUNICATE FINDINGS WITH ARCHITECTS. TYP
5. RESTROOM FOOTPRINT TO REMAIN. WALLS TO BE STRIPPED DOWN TO STUDS. DOOR AND DOOR FRAME TO BE REMOVED
6. REMOVE TOILET PARTITIONS AND ANY ASSOCIATED ELEMENTS
7. REMOVE ALL PLUMBING FIXTURES. CUT AND CAP
8. REMOVE PIZZA OVEN ENCLOSURE, WALLS, FLOORING AND ASSOCIATED EQUIPMENT
9. REMOVE EXISTING RAMPS
10. HOT LINE INFRASTRUCTURE TO BE CUT AND CAPPED. STAINLESS STEEL FINISH AND SUBSTRATE TO BE REMOVED.
11. REMOVE EXISTING WALK-IN
12. MOP SINK INFRASTRUCTURE TO REMAIN. CUT AND CAP EXISTING
13. REMOVE WALL, DOOR FRAME AND DOOR
14. VERIFY MEP EQUIPMENT TO BE DEMOLISHED WITH MEP DEMO DRAWINGS
15. REMOVE FINISH, SUBSTRATE AND STUD OFF FURRED COLUMNS. TYP
16. GC TO INSPECT IF THERE ARE ANY STRUCTURAL ELEMENTS INSIDE WALL. COMMUNICATE AND CONFIRM ALL FINDINGS WITH ARCHITECT.
17. ALL EXISTING SIGNAGE AND BRANDING FROM PREVIOUS TENANT TO BE REMOVED
18. REMOVE EXISTING AWNING FABRIC, STRUCTURE AND LIGHTING. INVESTIGATE STRUCTURAL SOUNDNESS OF ROOF BELOW. COMMUNICATE FINDINGS WITH ARCHITECT
19. REMOVE EXISTING DOOR FRAME AND DOOR.

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13
2	MEP COORDINATION	2022-10-05

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PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: KG
CHECKED BY: AV
JOB NO: 2022-3904

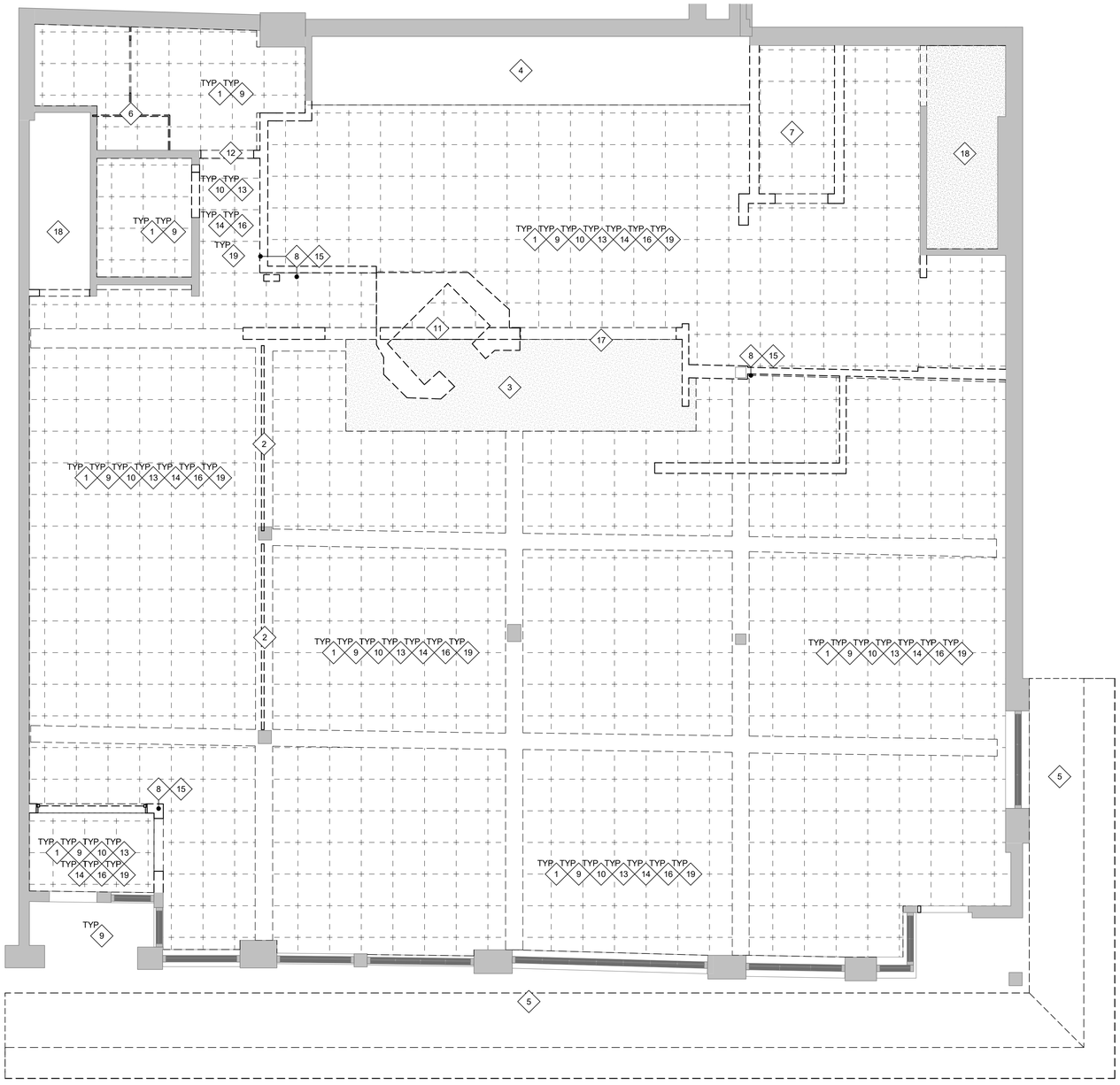
SHEET TITLE:

DEMO KEYNOTE PLAN - FIRST FLOOR

STAMP:

REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA
COMMONWEALTH OF MASSACHUSETTS

D101



1 DEMO REFLECTED CEILING PLAN - FIRST FLOOR
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

DEMOLITION KEYNOTES-RCP

GENERAL NOTES:

- IF DEMOLITION IS PERFORMED IN EXCESS OF THAT REQUIRED, RESTORE EFFECTED AREAS TO NO ADDITIONAL COST TO THE OWNER.

1. REMOVE FAUX BEAMS AND ACT CEILING SYSTEM. TYP.
2. REMOVE STEEL PIPES BETWEEN COLUMNS
3. REMOVE SOFFIT ABOVE PIZZA STATION.
4. REMOVE HOOD. CUT AND CAP ANY HOOD INFRASTRUCTURE
5. REMOVE EXISTING AWNING FABRIC, STRUCTURE AND LIGHTING. INVESTIGATE STRUCTURAL SOUNDNESS OF ROOF BELOW. COMMUNICATE FINDINGS WITH ARCHITECT
6. REMOVE ALL TOILET PARTITION STRUCTURE
7. REMOVE ALL WALK-IN INFRASTRUCTURE
8. GC TO INSPECT IF THERE ARE ANY STRUCTURAL ELEMENTS INSIDE WALL. COMMUNICATE AND CONFIRM ALL FINDINGS WITH ARCHITECT.
9. GC TO INSPECT IF THERE ARE ANY STRUCTURAL ELEMENT ISSUES ABOVE EXISTING CEILINGS. COMMUNICATE AND CONFIRM ALL FINDINGS WITH ARCHITECT
10. REMOVE WALLS AND ALL ASSOCIATED DEVICES ALL THE WAY TO THE UNDERSIDE OF THE DECK.
11. REMOVE ENTIRETY OF EXISTING PIZZA OVEN AND ALL ASSOCIATED DEVICES.
12. REMOVE WALL, DOOR FRAME AND DOOR.
13. VERIFY MEP EQUIPMENT TO BE DEMOLISHED WITH MEP DEMO DRAWINGS
14. ALL EXISTING ACT CEILING TILES AND SUSPENSION SYSTEMS TO BE REMOVED. ALL ASSOCIATED LIGHTING, FIRE PROTECTION DEVICES AND MECHANICAL SYSTEMS TO BE REMOVED AND CAPED TO SOURCE. G.C. TO CONFIRM ANY REUSABLE CONNECTIONS. G.C. TO REMOVE PERIMETER GRID AND PATCH ANY EXISTING TO REMAIN WALLS AS NECESSARY.
15. OPEN WALL, CONFIRM IF IT CAN BE REMOVED, AND IF ANY BUILDING ELEMENTS INSIDE THE WALL MAY NEED TO REMAIN. COMMUNICATE FINDINGS WITH ARCHITECT.
16. ALL EXISTING LIGHTING FIXTURES, FIRE PROTECTION DEVICES, AND MECHANICAL SYSTEMS TO BE REMOVED AND CAPPED TO SOURCE THROUGHOUT SPACE.
17. REMOVE SOFFIT ABOVE WALL OPENING ALL THE WAY TO THE UNDERSIDE OF THE DECK.
18. REMOVE CEILING ABOVE STAIRS. ALL ASSOCIATED LIGHTING, FIRE PROTECTION DEVICES AND MECHANICAL SYSTEMS TO BE REMOVED AND CAPED TO SOURCE
19. REMOVE ALL HANGERS, FASTENERS AND SUPPORT INFRASTRUCTURE FROM EXISTING STRUCTURE ABOVE.

NORTH ARROWS:

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SHEET TITLE:

DEMO REFLECTED CEILING PLAN - FIRST FLOOR

STAMP:

REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA
COMMONWEALTH OF MASSACHUSETTS

D301



1 KEYNOTE PLAN - BASEMENT
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

FLOOR PLAN KEYNOTES

GENERAL NOTES:

- G.C. IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND NOTIFYING ARCHITECT WITH ANY DISCREPANCIES.
- REVIEW WALL LAYOUT WITH ARCHITECT IN FIELD PRIOR TO INSTALLATION.
- PATCH AND REPAIR EXISTING WALLS TO A SMOOTH AND PAINTABLE SURFACE.
- G.C. TO PREP FLOOR FOR NEW FINISHES PER MANUFACTURERS INSTRUCTIONS.
- G.C. TO PATCH FLOOR AND REPAIR WALLS WHERE DEMOLITION OF FIXED FURNITURE OR FINISHES OCCURRED.
- G.C. TO PATCH AND REPAIR ALL EXISTING DEMISING WALLS AS NEEDED TO MAINTAIN FIRE/SMOKE AND ACOUSTICAL RATING.
- CENTER WALL PARTITIONS ON WINDOW MULLIONS, U.O.N.
- ALL WOOD MEMBERS AND SURFACES TO BE FIRE-TREATED/FIRE-RATED.
- GC TO CARRY AN ALLOWANCE TO PROVIDE BLOCKING AT FRONT OF HOUSE WALLS FOR ART WORK.
- GC TO CARRY AN ALLOWANCE FOR FINISHING ALL PERIMETER WALLS & SOFFITS.
- GC TO PROVIDE FIRE TREATED BLOCKING FOR INSTALLATION OF ALL EQUIPMENT.
- G.C TO CARRY AN ALLOWANCE FOR TAPING,FINISHING AND PREPING ALL GWB EXISITING IN THE SPACE AND PREPARE THE WALLS/SOFFITS FOR THE NEW FINISH SPECIFIED. PAINT/TILE EST.
- ALL WALLS TO BE B WALL UNLESS OTHERWISED NOTED.
- REFER TO SHEET A021 FOR WALL TYPES.

1. P.LAM DESK TOP. SHELVING ABOVE. G.C. TO PROVIDE BLOCKING AS REQUIRED FOR INSTALLATION
2. PROVIDE NECESSARY BLOCKING AT AV RACK LOCATION TO ACCOMODATE A TRIPP LITE SMARTRACK 6U LOW-PROFILE SWITCH-DEPTH-PLUS WALL-MOUNT RACK ENCLOUSRE CABINET.
3. KITCHEN EQUIPMENT BY OTHERS. COORDINATE WITH KITCHEN VENDOR
4. ADD STAINLESS STEEL FILLER PANEL TO CLOSE OFF AREA BEHIND COOLER. COORDINATE WITH KITCHEN VENDOR.
5. G.C. TO FURNISH AND INSTALL 2 ROWS OF GARMENT HOOK STRIPS IN THIS LOCATION. BOTTOM ROW @ 40" AFF AND TOP ROW @ 72" AFF TO CENTER OF MOUNTING STRIP. REFER TO GH1 ON MISC. SCHEDULE FMI.
6. ALL WALLS AND FLOORS TO RECEIVE TYPICAL BOH FINISHES.
7. OFFICE CHAIR BY OWNER- DESK AND SHELVING BY G.C. G.C. TO REFER TO DETAILS FMI.
8. BASEMENT LAYOUT IS SUBJECT TO MINOR CHANGE.

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
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2	MEP COORDINATION	2022-10-05

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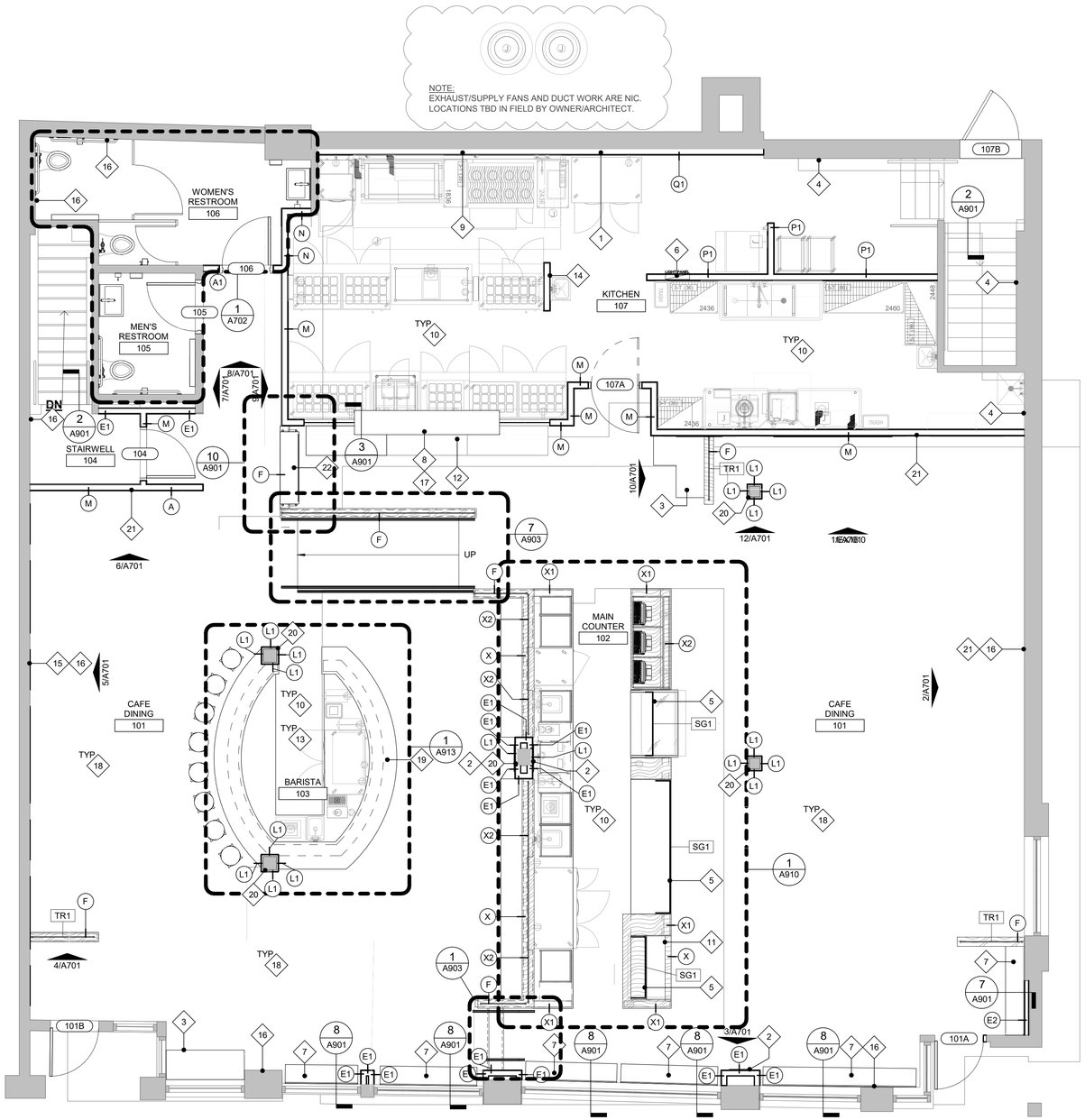
SHEET TITLE:

KEYNOTE PLAN - BASEMENT

STAMP:

DAVID R. McMAHON REGISTERED ARCHITECT No. 9789 BOSTON MA COMMONWEALTH OF MASSACHUSETTS

A100



1 KEYNOTE PLAN - FIRST FLOOR
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

FLOOR PLAN KEYNOTES

GENERAL NOTES:
- G.C. IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND NOTIFYING ARCHITECT WITH ANY DISCREPANCIES.
- REVIEW WALL LAYOUT WITH ARCHITECT IN FIELD PRIOR TO INSTALLATION.
- PATCH AND REPAIR EXISTING WALLS TO A SMOOTH AND PAINTABLE SURFACE.
- G.C. TO PREP FLOOR FOR NEW FINISHES PER MANUFACTURERS INSTRUCTIONS.
- G.C. TO PATCH FLOOR AND REPAIR WALLS WHERE DEMOLITION OF FIXED FURNITURE OR FINISHES OCCURRED.
- G.C. TO PATCH AND REPAIR ALL EXISTING DEMISING WALLS AS NEEDED TO MAINTAIN FIRE/SMOKE AND ACOUSTICAL RATING.
- CENTER WALL PARTITIONS ON WINDOW MULLIONS, U.O.N.
- ALL WOOD MEMBERS AND SURFACES TO BE FIRE-TREATED/FIRE-RATED.
- GC TO CARRY AN ALLOWANCE TO PROVIDE BLOCKING AT FRONT OF HOUSE WALLS FOR ART WORK.
- GC TO CARRY AN ALLOWANCE FOR FINISHING ALL PERIMETER WALLS & SOFFITS.
- GC TO PROVIDE FIRE TREATED BLOCKING FOR INSTALLATION OF ALL EQUIPMENT.
- G.C TO CARRY AN ALLOWANCE FOR TAPING,FINISHING AND PREPING ALL GWB EXISITING IN THE SPACE AND PREPARE THE WALLS/SOFFITS FOR THE NEW FINISH SPECIFIED. PAINT/TILE EST.
- ALL WALLS TO BE B WALL UNLESS OTHERWISED NOTED.
- REFER TO SHEET A021 FOR WALL TYPES.

1. G.C. TO FUR OUT EXISTING TENANT SEPARATION WALLS FOR TENANT BOH UTILITY RUNS. SEE WALL SCHEDULE FMI.
2. FIRE-RETARDANT TREATED BLOCKING FOR CHALKBOARD MOUNTING. COORDINATE FINAL LOCATION WITH OWNER/ARCHITECTS.
3. CONDIMENT STATION. BY OTHERS. COORDINATE FINAL SIZING AND PLACEMENT WITH OWNER.
4. EXTERIOR WALLS AND TENANT SEPARATION WALL TO RECEIVE TYP. BOH FINISHES. FIRE-RATED PLYWOOD BLOCKING, FRP, AND EPOXY COVE BASE.
5. SNEEZE GUARD BY G.C. ALL DIMS TO BE VERIFIED WITH PASTRY DISPLAY FOUND ITEM PRIOR TO FABRICATION ONCE ITEM IS SELECTED. TOP OF SNEEZE GUARD 60" AFF.
6. LIGHTING PANEL.
7. CARARRA MARBLE COUNTER @ 36" AFF ON METAL POSTS. SEE DETAIL ON A901. COORDINATE IN FIELD.
8. HEADER ABOVE KNEE WALL TO BE WALL TYPE M.
9. S.STEEL WALL FINISH AT HOOD SIDE OF WALL. BY OTHERS.
10. KITCHEN EQUIPMENT BY OTHERS.
11. GRAB N GO EQUIPMENT INSET TO FRONT COUNTER. SEE DETAILS ON SHEET A910 FMI.
12. SAVORY PASS THRU/PICK UP COUNTER. FRAMED KNEE WALL BY G.C. METAL STUDS- TO RECEIVE SPECIFIED TILE AT FOH AND SPECIFIED FRP AT BOH. KITCHEN VENDOR TO PROVIDE 2 TIERED PASS THROUGH SHELF. COORDINATE REQUIRED BLOCKING WITH KITCHEN VENDOR.
13. BARISTA COUNTER WITH WOOD PANELED DIE WALL AND STAINLESS STEEL WORKING COUNTER. SEE ELEVATIONS ON SHEET A913 FMI. COORDINATE WITH MILLWORKER.
14. CHASE WALL TO BE STICK FRAMED AND CLAD FULLY IN STAINLESS STEEL. WALL BUILD AND STAINLESS STEEL CLADDING BOTH BY GC.
15. SPECIALTY TILE WALL. REFER TO A701 FMI.
16. TENANT SEPARATION WALL TO RECEIVE CEMENT BOARD AND FINISH AS SPECIFIED. SEE ELEVATIONS ON SHEET A701 FMI. G.C. TO PATCH AND REPAIR TENANT SEPARATION WALL AS REQUIRED.
17. G.C. TO PROVIDE BLOCKING IN WALL BELOW WINDOW PASS FOR FUTURE SHELVING INSTALLATION.
18. G.C. TO VERIFY ALL DISPLAY ITEM BY OWNER. COORDINATE REQUIREMENT FOR IN-WALL BLOCKING TO MOUNT ITEM TO WALL FOR SAFETY
19. BARISTA FOOTRAIL. COORDINATE LENGTH WITH FINAL BARISTA APPROVED MILLWORK SHOPS. SEE FR2 ON MISC. SCHEDULE FMI.
20. COLUMN TO RECEIVE CEMENT BOARD AND FINISH AS SPECIFIED. SEE ELEVATIONS ON SHEET A701 FMI.
21. TILE PANEL WALL. REFER TO A701 FMI.
22. G.C. TO PROVIDE BLOCKING IN WALL BELOW TO-GO SHELVING

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13
2	MEP COORDINATION	2022-10-05

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PROJECT INFORMATION:

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JOB NO: 2022-3904

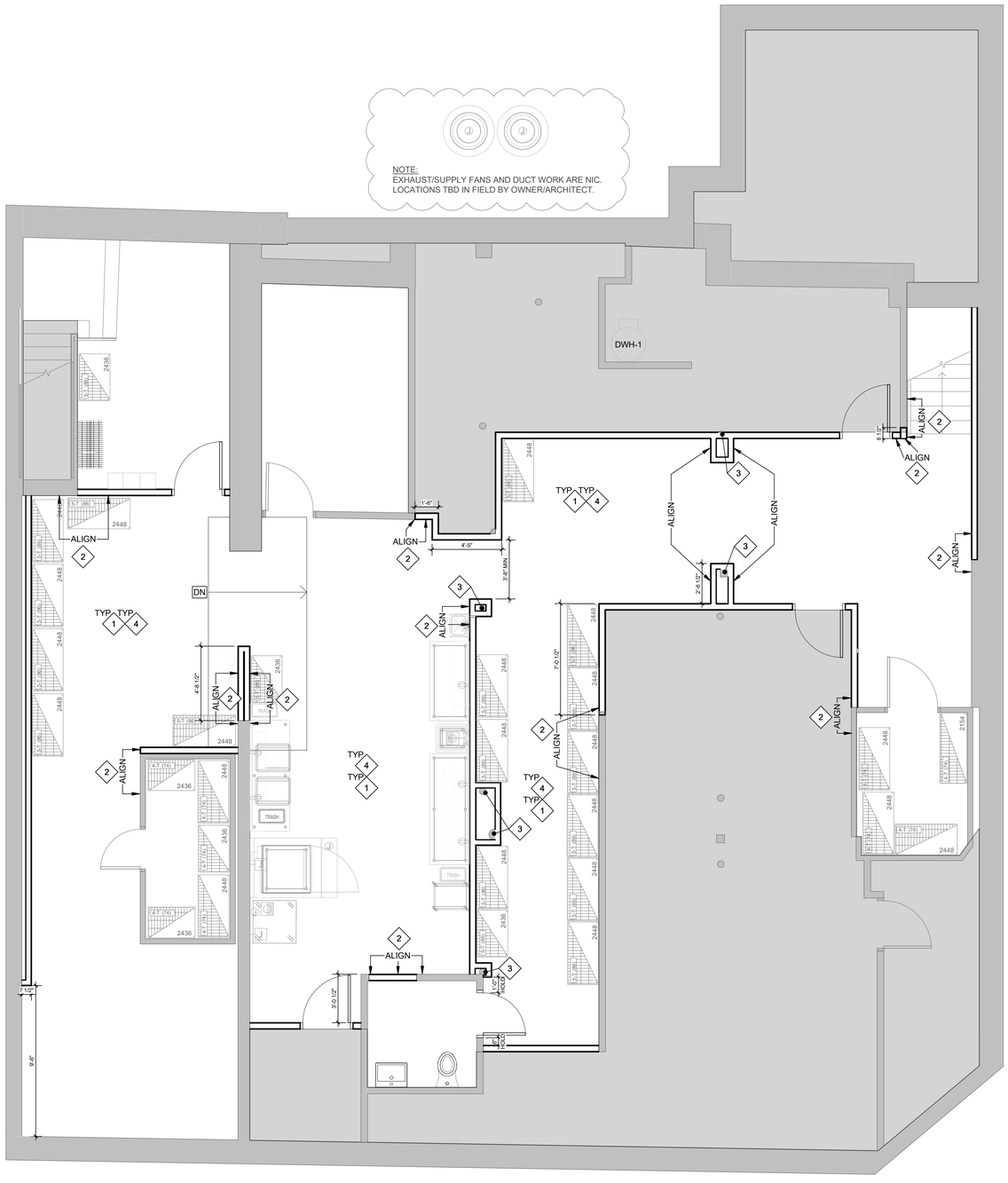
SHEET TITLE:

KEYNOTE PLAN - FIRST FLOOR

STAMP:

REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA
COMMONWEALTH OF MASSACHUSETTS

A101



1 DIMENSION PLAN - BASEMENT
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

DIMENSION PLAN KEYNOTES

GENERAL NOTES:

- GC TO COORDINATE WITH ARCHITECT IN FIELD FINAL WALL LOCATIONS PRIOR TO INSTALLING TRACK FOR STUD WALLS
- GC TO CONFIRM DIMENSION REQUIREMENTS OF EQUIPMENT AND FURNITURE WITH VENDORS

1. VERIFY ALL WALL DIMENSIONS AND LOCATIONS WITH KEC DRAWINGS FOR BOH.
2. ALIGN FINISHED EDGE.
3. FRAMING AS TIGHTLY AS POSSIBLE TO STRUCTURAL ELEMENTS.
4. BASEMENT LAYOUT IS SUBJECT TO MINOR CHANGE.

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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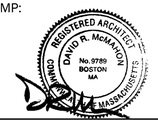
PROJECT INFORMATION:

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JOB NO: 2022-3904

SHEET TITLE:

DIMENSION PLAN - BASEMENT

STAMP:



A200

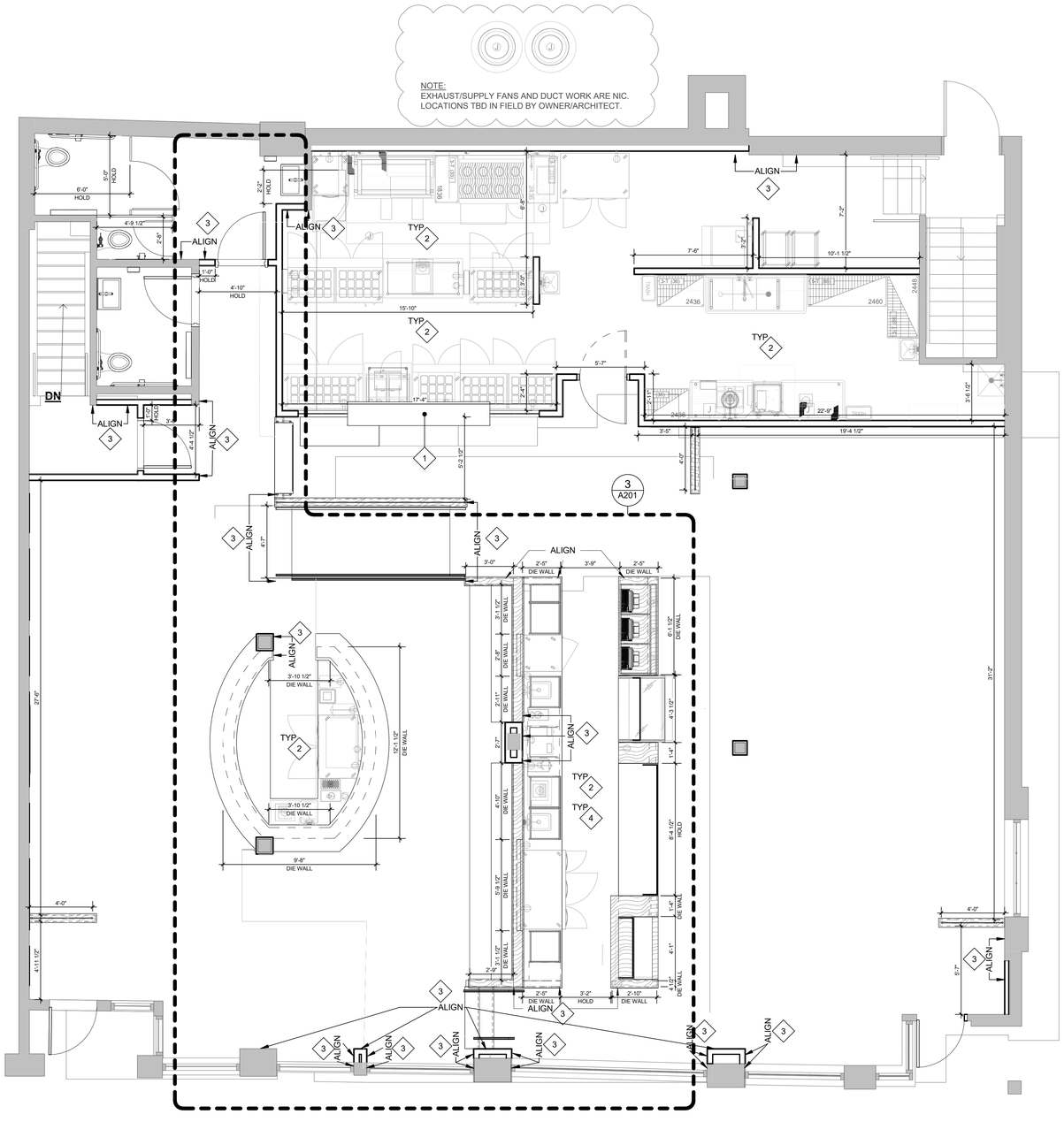
DIMENSION PLAN KEYNOTES

GENERAL NOTES:

- GC TO COORDINATE WITH ARCHITECT IN FIELD FINAL WALL LOCATIONS PRIOR TO INSTALLING TRACK FOR STUD WALLS
- GC TO CONFIRM DIMENSION REQUIREMENTS OF EQUIPMENT AND FURNITURE WITH VENDORS

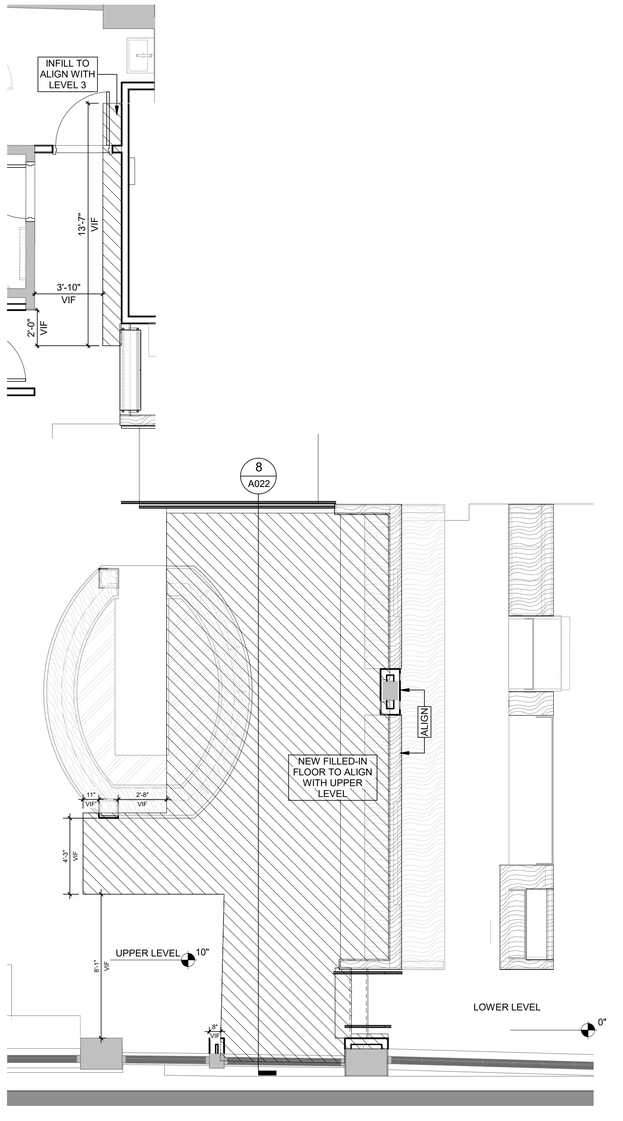
1. VERIFY OPENING SIZE WITH KITCHEN EQUIPMENT LOCATIONS FOR PASS EXTENTS.
2. VERIFY ALL WALL DIMENSIONS AND LOCATIONS WITH KEC DRAWINGS FOR BOH.
3. ALIGN FINISHED EDGE.
4. MAIN COUNTER DIE WALL DIMENSIONS ARE TO FINISH FACE.

NOTE:
EXHAUST/SUPPLY FANS AND DUCT WORK ARE NIC.
LOCATIONS TBD IN FIELD BY OWNER/ARCHITECT.



1 DIMENSION PLAN - FIRST FLOOR
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'



3 DIMENSION PLAN - FILLED-IN FLOOR
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
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DIMENSION PLAN - FIRST FLOOR

STAMP:

REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA
COMMONWEALTH OF MASSACHUSETTS

A201



1 REFLECTED CEILING PLAN - BASEMENT
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

RCP & LIGHTING KEYNOTES

GENERAL NOTES:

- **FINAL HEIGHTS TO BE DETERMINED IN FIELD WITH OWNER.**
- CENTER LIGHTS, EXIT LIGHTS, SPRINKLER HEADS, ETC. ON CEILING TILE UNLESS OTHERWISE NOTED
- ALL ACOUSTICAL CEILING TILES ARE NOT TO BE CUT LESS THAN 3" (TYP.).
- ALL REQUIRED GWB ACCESS PANEL FOR BASE BUILDING MEP TO BE COORDINATED.
- ALL ACCESS PANELS, SPEAKERS, REGISTERS, AND DIFFUSERS IN CEILINGS TO BE PAINTED SAME COLOR AS CEILING, U.O.N.
- ALL SPRINKLER HEADS IN FRONT OF HOUSE CEILINGS TO BE CONCEALED AND SEMI-RECESSED IN ALL OTHER AREAS. COORDINATE WITH ENGINEERING
- ALL WOOD MEMBERS AND SURFACES TO BE FIRE-TREATED/RATED.
- G.C. TO REVIEW FINAL LIGHT FIXTURE LOCATIONS WITH TENANT AND ARCHITECT PRIOR TO INSTALLATION.
- ALL DIMENSIONS TO CENTER LINE OF FIXTURE UNLESS OTHERWISE NOTED.
- CONFIRM MOUNTING HEIGHTS OF PENDANT FIXTURES WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.
- ALL A/V EQUIPMENT & ASSOCIATED DEVICES, BY OTHERS. G.C TO CARRY AN ALLOWANCE FOR PULLING ALL THE WIRE CONNECTIVITY. COORDINATE WITH EXISTING.
- ALL SPRINKLER HEADS COLOR TO MATCH CEILING COLOR, GC TO COORDINATE COLORS WITH ARCHITECT PRIOR TO PURCHASE AND INSTALL.
- G.C. TO CARRY ALLOWANCE FOR ANY SPRINKLER LINES THAT REQUIRE RELOCATION. GC TO COORDINATE WITH ENGINEERS DRAWINGS.
- ALL LIGHTING SYMBOLS ARE SHOWN FOR REFERENCE ONLY. REFER TO SPECIFICATION FOR MORE INFORMATION.
- COORDINATE SPEAKER LOCATIONS WITH CLIENT, LOW VOLTAGE CONSULTANT, AND A CONNECTION TO HEAD UNIT. SPEAKERS SHALL BE TIED INTO THE FIRE ALARM SYSTEM. REFER TO ENGINEER DRAWINGS FOR MORE INFORMATION.
- IN EXPOSED CEILINGS, ALL FIRE PROOFING THAT IS MISSING/DAMAGED TO BE REPLACED WITH THE SAME RATING/PRODUCT AS THE EXISTING FIRE PROOFING.
- **GENERAL CONTRACTOR TO VERIFY RE-USE/RE-LOCATION/NEW REQUIRED EGRESS SIGNS AND ACCESSORIES**
- **VERIFY IN FIELD CEILING MOUNTED DATA FOR WIFI LOCATIONS.**
- **DECK, ALL GWB CEILINGS/SOFFITS, AND ALL OTHER ITEMS ASSOCIATED WITH THE CEILING, INCLUDING BEAMS, PIPES, DUCTS ETC TO BE FIELD PAINTED PT2.**
- G.C. TO IDENTIFY AREAS WITHIN CEILING WITH REQUIRED ACCESS POINTS. G.C. TO COORDINATE WITH ARCHITECT FOR ACCESS PANELS WITHIN NEW GWB CEILINGS.

1. HOOD AND HOOD LIGHTING BY KITCHEN VENDOR. G.C. TO COORDINATE WITH KITCHEN VENDOR.
2. ALL ITEMS ASSOCIATED WITH THE CEILING, INCLUDING BEAMS, PIPES, DUCTS ETC TO BE FIELD PAINTED PT2.
3. G.C. TO COORDINATE ALL HOOD VENTS FOR EQUIPMENT WITH ENGINEERING DRAWINGS. G.C. TO COORDINATE CEILING GRID WITH HOOD LOCATIONS.
4. ENGINEERS TO COORDINATE K FIXTURE FOR EMERGENCY LIGHT CIRCUITING. SEE MEP DRAWINGS FMI.
5. EXISTING COOLER TO REMAIN.
6. COORDINATE NEW COOLER HEIGHT WITH CEILING. LIGHTING BY COOLER MANUFACTURER. COORDINATE CEILING TRIM PIECE WITH FINAL COOLER SHOP DRAWINGS.
7. BEAMS TO BE WRAPPED IN GWB AS TIGHTLY TO THE BOTTOM OF BEAM AS POSSIBLE. PAINT PT2.
8. BASEMENT LAYOUT IS SUBJECT TO MINOR CHANGE.

NORTH ARROWS:

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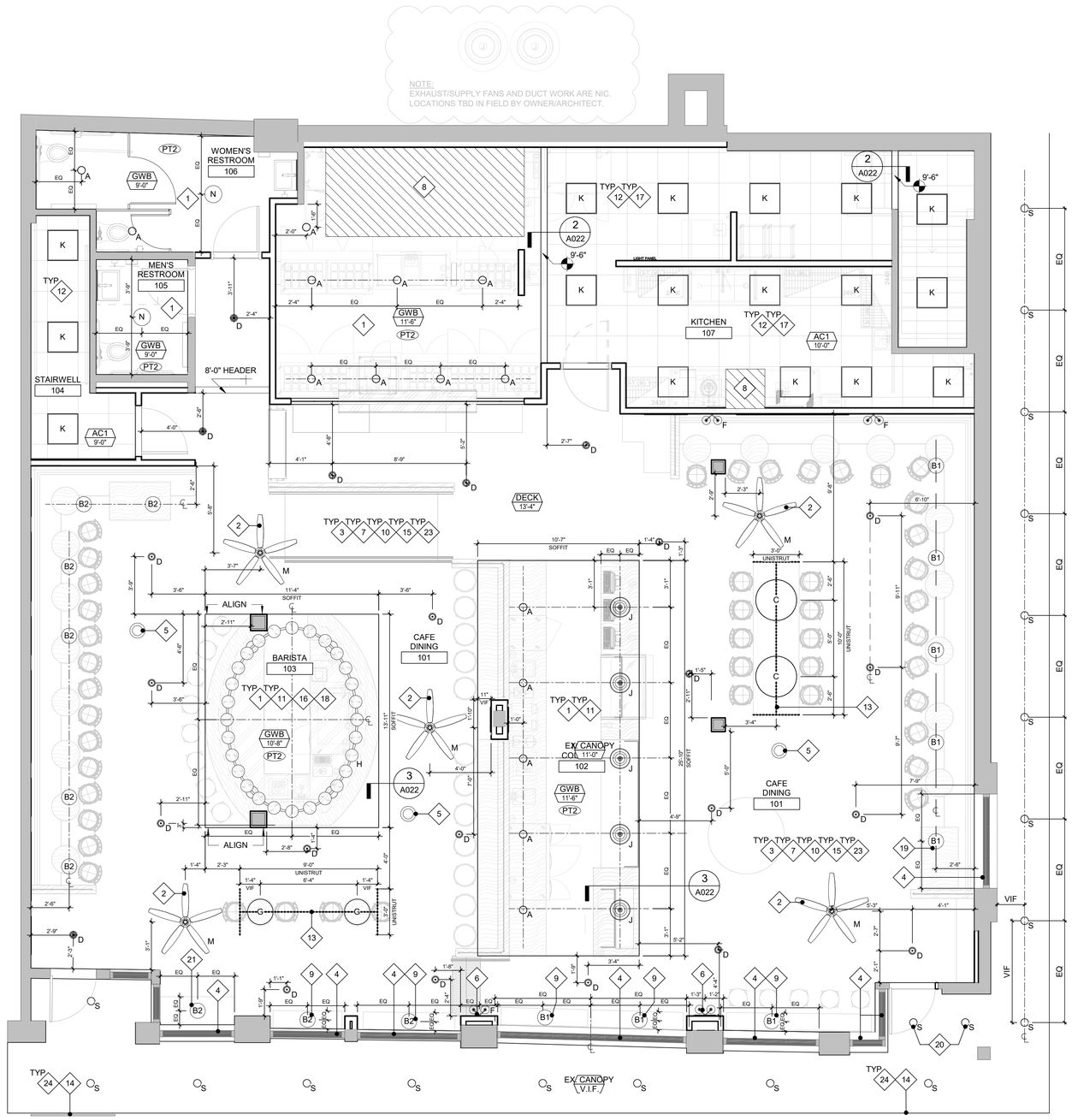
SHEET TITLE:

REFLECTED CEILING PLAN - BASEMENT

STAMP:

COMMONWEALTH OF MASSACHUSETTS
REGISTERED ARCHITECT
DAVID P. McMAHON
No. 9789
BOSTON
MA

A300



1 REFLECTED CEILING PLAN - FIRST FLOOR
SCALE: 1/4" = 1'-0"

RCP & LIGHTING KEYNOTES

GENERAL NOTES:

- **FINAL HEIGHTS TO BE DETERMINED IN FIELD WITH OWNER.**
- CENTER LIGHTS, EXIT LIGHTS, SPRINKLER HEADS, ETC. ON CEILING TILE UNLESS OTHERWISE NOTED
- ALL ACOUSTICAL CEILING TILES ARE NOT TO BE CUT LESS THAN 3" (TYP.).
- ALL REQUIRED GWB ACCESS PANEL FOR BASE BUILDING MEP TO BE COORDINATED.
- ALL ACCESS PANELS, SPEAKERS, REGISTERS, AND DIFFUSERS IN CEILINGS TO BE PAINTED SAME COLOR AS CEILING, U.O.N.
- ALL SPRINKLER HEADS IN FRONT OF HOUSE CEILINGS TO BE CONCEALED AND SEMI-RECESSED IN ALL OTHER AREAS. COORDINATE WITH ENGINEERING
- ALL WOOD MEMBERS AND SURFACES TO BE FIRE-TREATED/RATED.
- G.C. TO REVIEW FINAL LIGHT FIXTURE LOCATIONS WITH TENANT AND ARCHITECT PRIOR TO INSTALLATION.
- ALL DIMENSIONS TO CENTER LINE OF FIXTURE UNLESS OTHERWISE NOTED.
- CONFIRM MOUNTING HEIGHTS OF PENDANT FIXTURES WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.
- ALL A/V EQUIPMENT & ASSOCIATED DEVICES, BY OTHERS. G.C TO CARRY AN ALLOWANCE FOR PULLING ALL THE WIRE CONNECTIVITY. COORDINATE WITH EXISTING.
- ALL SPRINKLER HEADS COLOR TO MATCH CEILING COLOR, GC TO COORDINATE COLORS WITH ARCHITECT PRIOR TO PURCHASE AND INSTALL.
- G.C. TO CARRY ALLOWANCE FOR ANY SPRINKLER LINES THAT REQUIRE RELOCATION. GC TO COORDINATE WITH ENGINEERS DRAWINGS.
- ALL LIGHTING SYMBOLS ARE SHOWN FOR REFERENCE ONLY. REFER TO SPECIFICATION FOR MORE INFORMATION.
- COORDINATE SPEAKER LOCATIONS WITH CLIENT, LOW VOLTAGE CONSULTANT, AND A CONNECTION TO HEAD UNIT. SPEAKERS SHALL BE TIED INTO THE FIRE ALARM SYSTEM. REFER TO ENGINEER DRAWINGS FOR MORE INFORMATION.
- IN EXPOSED CEILINGS, ALL FIRE PROOFING THAT IS MISSING/DAMAGED TO BE REPLACED WITH THE SAME RATING/PRODUCT AS THE EXISTING FIRE PROOFING.
- **GENERAL CONTRACTOR TO VERIFY RE-USE/RE-LOCATION/NEW REQUIRED EGRESS SIGNS AND ACCESSORIES**
- **VERIFY IN FIELD CEILING MOUNTED DATA FOR WIFI LOCATIONS.**
- **DECK, ALL GWB CEILINGS/SOFFITS, AND ALL OTHER ITEMS ASSOCIATED WITH THE CEILING, INCLUDING BEAMS, PIPES, DUCTS ETC TO BE FIELD PAINTED PT2.**
- G.C. TO IDENTIFY AREAS WITHIN CEILING WITH REQUIRED ACCESS POINTS. G.C. TO COORDINATE WITH ARCHITECT FOR ACCESS PANELS WITHIN NEW GWB CEILINGS.

1. DROPPED GWB CEILING ACCESS PANELS FOR MECHANICAL UNITS WITHIN LOWERED CEILING. COORDINATE WITH ENGINEERING DRAWINGS FOR ACCESS REQUIREMENTS.
2. FAN LOCATIONS TO BE VERIFIED WITH OWNER IN FIELD. OWNER TO VERIFY MOUNTING METHOD/ DROP DOWN FROM CEILING HEIGHT PER FIXTURE BASED ON EXISTING CEILING COORDINATE WITH MECHANICAL.
3. ALL DOWNLIGHTING TO BE PLACED ON A SEPARATE SWITCH. COORDINATE SWITCHING LOCATION WITH OWNER IN FIELD.
4. WS1 - WINDOW SHADES LOCATED AT DESIGNATED WINDOWS. ALL SIZING AND MOUNTING REQUIREMENTS TO BE VERIFIED IN FIELD. L.L. APPROVAL REQUIRED PRIOR TO INSTALL. SEE MISC. SCHEDULE FMI.
5. SPEAKERS BY OTHERS. COORDINATE SOUND ISOLATION WITH SOUND TECHNICIAN. G.C. TO COORDINATE WITH CLIENT FOR EXACT LOCATION AND QUANTITIES. SPEAKERS TO BE HUNG AS TIGHT TO THE CEILING AS POSSIBLE - COORDINATE WITH OWNER.
6. ALL SCONCES TO BE INSTALLED AT 6'-8" AFF U.O.N. VERIFY FINAL SCONCE SELECTION FOR ADA CLEARANCE.
7. G.C. TO INSTALL D FIXTURES ON STEM MOUNTS. COORDINATE FINAL HEIGHTS WITH FAN HEIGHTS WITH OWNER.
8. HOOD AND HOOD LIGHTING BY KITCHEN VENDOR. G.C. TO COORDINATE WITH KITCHEN VENDOR.
9. GLOBE PENDANT TO BE CENTERED ON WINDOW & DRINK RAIL.
10. ALL EXPOSED CONDUIT TO RUN TIGHT AND NEAT TO CEILING WHERE EXPOSED. G.C. TO PAINT PT2.
11. G.C. TO FINALIZE FINAL SOFFIT HEIGHT WITH BASE BUILDINGS MEPS. COORDINATE FINAL HEIGHT WITH ARCHITECT.
12. ENGINEERS TO COORDINATE K FIXTURE FOR EMERGENCY LIGHT CIRCUITING. SEE MEP DRAWINGS FMI.
13. G.C. TO PROVIDE UNISTRUT FOR FLEXIBILITY OF COMMUNAL TABLE FIXTURES. UNISTRUT TO BE TIGHT TO DECK AND PAINTED PT2
14. G.C./ ENGINEER TO PROVIDE CIRCUIT/ ELECTRICAL CONNECTION FOR EXTERIOR SIGNAGE ILLUMINATION. SIGNAGE TO BE ON PHOTOCELL.
15. DECK, ALL GWB CEILINGS/SOFFITS, AND ALL OTHER ITEMS ASSOCIATED WITH THE CEILING, INCLUDING BEAMS, PIPES, DUCTS ETC TO BE FIELD PAINTED PT2.
16. PROVIDE CONTINUOUS FIRE RATED BLOCKING AT BARISTA SOFFIT ABOVE BARISTA MILLWORK.
17. G.C. TO COORDINATE ALL HOOD VENTS FOR EQUIPMENT WITH ENGINEERING DRAWINGS. G.C. TO COORDINATE CEILING GRID WITH HOOD LOCATIONS.
18. CUSTOM BARISTA FIXTURE TO BE CENTERED ON BARISTA MILLWORK BELOW.
19. GLOBE PENDANT TO BE CENTERED ON WINDOW.
20. GC/ENGINEER TO CONFIRM IF NEW DOWNLIGHTS WILL NEED REMODEL OR NEW CONTRUCTION HOUSING
21. GLOBE PENDANT TO BE CENTERED ON WINDOW. FIXTURE DIMENSIONED FROM EXTERIOR WALL
22. RAISED CEILING SECTION TO EXPOSE NEW HANGING TRANSFORMER. COORDINATE FINAL EXTENTS WITH TRANSFORMER ACCESS POINTS AND REQUIRED CLEARANCES. SOFFIT WALLS TO EXTEND TO DECK.
23. **GC TO CARRY ALLOWANCE** TO FURNISH AND INSTALL TECTUM SHEETS AT THE UNDERSIDE OF DECK. PAINT PT2. GC TO REVIEW WITH OWNER QUANTITY & LOCATION BASED ON FINAL RCP AND MECHANICAL LAYOUTS.
24. DEMO EXISTING LIGHTING. REPLACE PENDANTS WITH EXTERIOR DOWNLIGHTS, FIXTURE "S". REUSE EXISTING LIGHTING LOCATIONS

REFLECTED CEILING PLAN LEGEND

	GWB, PAINT AS SCHEDULED		H : CUSTOM PENDANT BARISTA FIXTURE. BY OWNER. COORDINATE FINISH SIZING WITH OWNER
	STEM MOUNTED SPEAKER		
	SUSPENDED ACOUSTICAL CEILING TILE & GRID SYSTEM SQUARE LAY IN- WASHABLE		K: RECESSED LED 2x2
	A: RECESSED DOWNLIGHTS		M :STEM MOUNTED FAN
	B: PENDANT. 6'-8" AFF TO BOTTOM OF FIXTURE		N : BATHROOM CEILING MOUNTED FIXTURE
	C : FARM TABLE PENDANT. SEE ELEVATION ON SHEET A702.		P : EXTERIOR SIGNAGE LIGHTING
	D: STEM MOUNTED CYLINDERS		S: EXTERIOR RECESSED DOWNLIGHTS
	F : WALL SCONCE. SEE SCHEDULE AND ELEVATIONS FOR MOUNTING HEIGHT		
	G : PENDANT BY OWNER		
	J : LARGE SCALE PENDANTS. BY OWNER. COORDINATE SIZING.		

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13
2	MEP COORDINATION	2022-10-05

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PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: KG
CHECKED BY: AV
JOB NO: 2022-3904

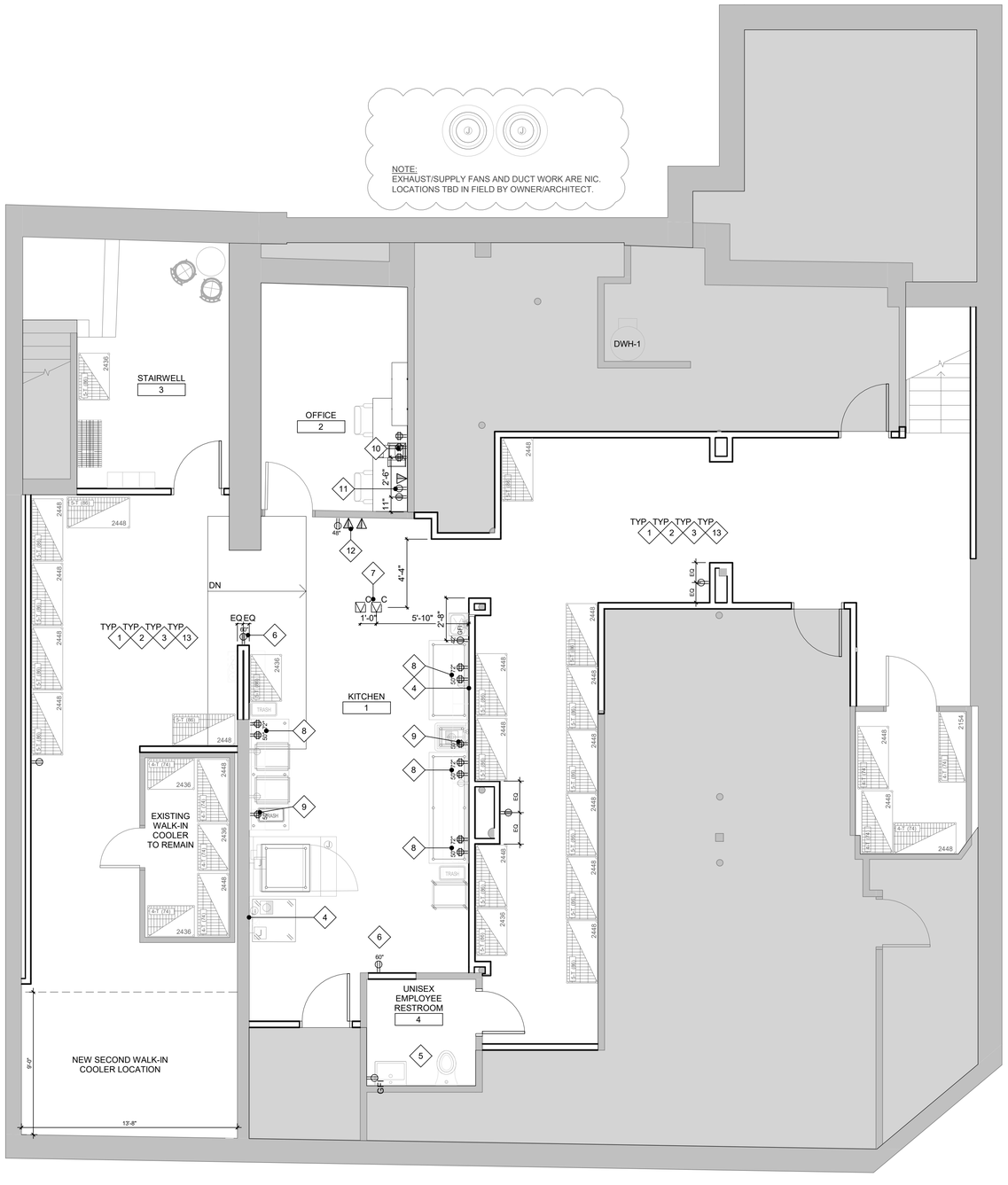
SHEET TITLE:

REFLECTED CEILING PLAN - FIRST FLOOR

STAMP:

REGISTERED ARCHITECT DAVID R. McMAHON No. 9789 BOSTON MA COMMONWEALTH OF MASSACHUSETTS

A301



1 POWER PLAN - BASEMENT
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

GENERAL NOTES

- ALL DIMENSTIONS ARE TO CENTERLINE OF RECEPTACLE OR GANG RECEPTACLE. **GANG RECEPTACLES WHERE ABLE.**
- REFER TO ENGINEER'S DRAWINGS FOR ALL SWITCH LOCATIONS. G.C TO CONFIRM FINAL LOCATION OF SWITCHES WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- G.C TO INVESTIGATE EXISTING WALL OUTLET CIRCUITING LOCATIONS AND REVIEW CIRCUIT LOCATIONS WITH ARCHITECT OR PROJECT ENGINEER PRIOR TO INSTALLATION.
- LOCATIONS OF M/E/P DEVICES (INCLUDING THERMOSTATS, OUTLETS, MOTION SENSOR, ETC.) EXPOSED TO VIEW SHALL BE APPROVED BY ARCHITECT PRIOR TO ROUGH-IN LOCATIONS. COORDINATE WITH M/E/P DRAWINGS.
- G.C TO COORDINATE THE INSTALLATION OF THE DIMMING PANEL WITH OWNER AND ARCHITECT PRIOR TO INSTALLATION.
- REFER TO THE KITCHEN EQUIPMENT PLANS AND SCHEDULE FOR ALL EQUIPMENT SPECIFICATIONS AND POWER REQUIREMENTS. THE GENERAL CONTRACTOR SHOULD COORDINATE ALL REQUIREMENTS WITH MANUFACTURERS SPECIFICATIONS.
- UNLESS OTHERWISE NOTED THE TEL/DATA/ELEC PLAN INDICATED NEW OUTLETS ONLY. GENERAL CONTRACTOR SHALL COORDINATE ON SITE ALL LOCATIONS OF ITEMS EXISTING TO REMAIN/OR TO BE DEMOLISHED. G.C SHALL TEST ALL THE DEVICES INDICATED FOR RE-USE AND REPAIR OR REPLACE IF REQUIRED.
- ALL OUTLETS SHALL BE 18" AFF UNLESS OTHERWISE NOTED. NUMBERS INDICATED NEXT TO SPECIFIC SYMBOLS REFER TO THE HEIGHT ABOVE FINISH FLOOR.
- THE TEL/DATA /ELEC COVERS FINISH SHALL MATCH THE WALL FINISH AS CLOSELY AS POSSIBLE. ARCHITECT TO APPROVE PRIOR TO PURCHASE.
- WATER HEATER AND ELECTRIC PANELS ARE INDICATED FOR LOCATION ONLY. REFER TO ENGINEER'S DRAWINGS FOR MORE INFORMATION.
- ARCHITECTURAL PLANS ARE PROVIDING CONVENIENCE OUTLETS FOR FRONT OF HOUSE ONLY. REFER TO KITCHEN CONSULTANT DRAWINGS FOR BACK OF HOUSE CONVENIENCE OUTLETS AND EQUIPMENT POWER REQUIREMENTS
- GFI OUTLET IN RESTROOM, VANITY TO BE AT 3'-8", ALIGN WITH SWITCH HEIGHT.

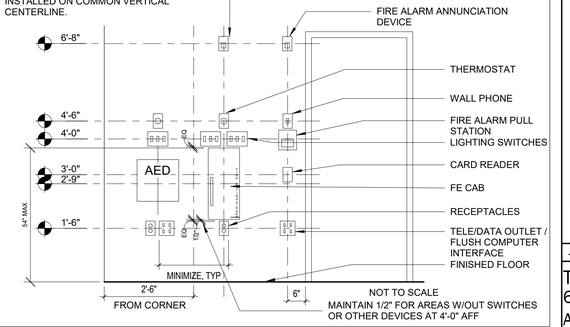
POWER & TEL DATA KEYNOTES

1. VERIFY NEW EQUIPMENT REQUIREMENTS WITH OWNER AND FOOD SERVICE VENDOR.
2. GFI RECEPTACLES REQUIRED MAXIMUM 6" FROM ALL SINKS.
3. ALL LIGHTS TO BE ON MANUAL SWITCHES U.O.N. (TYP.)
4. ALL ELECTRICAL/ PLUMBING TO BE RUN THROUGH PROVIDED CHASE WALL AND DISPERSED AS REQUIRED. COORDINATE WITH MEP DRAWINGS.
5. G.C. TO VERIFY WITH FINAL RESTROOM ACCESSORIES SUBMITTALS FOR POWER REQUIREMENTS.
6. OUTLET FOR BUG LIGHT TO BE AT 5' AFF.
7. (2) WAP DROP @ CEILING. VERIFY ALL WIFI LOCATIONS WITH OWNER IN FIELD.
8. (2) DEDICATED 20 AMP CIRCUITS WITH (2) QUAD OUTLET: ONE AT 50" AFF AND ONE AT 72" AFF TO THE BOTTOM OF OUTLET COVER.
9. (1) QUAD OUTLET AT 50" AFF ABOVE VEGGIE WASH STATION. (1) QUAD OUTLET AT 50" AFF ABOVE PREP TABLE.
10. TRIPP LITE SMARTRACK 6U LOW-PROFILE SWITCH-DEPTH-PLUS WALL-MOUNT RACK ENCLOUSRE CABINET LOCATION. OUTLETS REQUIRED TO BE AS TIGHT TO THE CEILING AS POSSIBLE. DATA RACK TO BE WALL MOUNTED ABOVE DESK. COORDINATE EXACT LOCATION WITH OWNER. G.C .TO PROVIDE IN WALL BLOCKING FOR MOUNTING.
11. DATA DROP: ONE PHONELINE FROM UNDER OFFICE DESK TO BE RUN TO SHELF ABOVE. PROVIDE (2) DUPLEX OUTLETS BELOW DESK. PROVIDE (3) QUAD OUTLETS NEAR CEILING IN ALCOVE ABOVE DESK FOR RACK. SHOWN FOR GENERAL LOCATION. COORDINATE WITH OWNER.
12. EMPLOYEE CLOCK IN/OUT. (1) DUPLEX OUTLET AND (2) DATA PORTS MOUNTED IN 4-GANG SPLIT BOX WITH (1) COMBINATION FACE PLATE @ 48".
13. BASEMENT LAYOUT IS SUBJECT TO MINOR CHANGE.

TYPICAL MOUNTING HEIGHTS

1. DEVICES INSTALLED AS SHOWN U.O.N.
2. MOUNTING HEIGHTS MEASURED FROM CENTERLINE OF DEVICE, OR GROUP OF DEVICES, TO FINISHED FLOOR.
3. DEVICES, OR GROUP OF DEVICES, INSTALLED ON COMMON VERTICAL CENTERLINE.

EXAMPLE OF GROUPING & ALIGNING DEVICES ON COMMON VERTICAL CENTERLINE; INCLUDE FE CABS & OTHER WALL-MOUNTED OBJECTS IN COMMON VERTICAL CENTERLINE



POWER & SIGNAL PLAN LEGEND

- 40" — NEW DUPLEX RECEPTACLE; INDICATES INCHES OF DEVICE AFF; NO # MEANS DEVICE IS AT STANDARD HEIGHT
- GFI — NEW DUPLEX RECEPTACLE; GROUND FAULT CIRCUIT INTERRUPTER
- NEW DUPLEX RECEPTACLE; DEDICATED
- WP — DEDICATED 20 AMP CIRCUIT WITH WEATHERPROOF OUTLET
- "AFF — NEW QUADRAPLEX RECEPTACLE; INDICATES HEIGHT OF DEVICE AFF IS NOT AT STANDARD HEIGHT
- NEW OUTLET - QUADRAPLEX, DEDICATED
- C — NEW WAP- CEILING MOUNTED
- NEW FLOOR CORE FOR DRINK RAIL POWER CONNECTION
- USB — NEW USB/DUPLEX RECEPTACLE
- NEW TEL-DATA DEVICE, WALL OR FURNITURE MOUNTED, 2 CABLE DROPS
- 4 — NEW TEL-DATA DEVICE, WALL OR FURNITURE MTD, 4 CABLE DROPS
- TV — NEW TV CABLING
- $ EX — EXISTING TO REMAIN SWITCH
- $ XD — EXISTING TO DEMOLISH SWITCH
- $ — NEW SWITCH

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13
2	MEP COORDINATION	2022-10-05

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PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: KG/AT
CHECKED BY: KG/AV
JOB NO: 2022-3904

SHEET TITLE:

POWER PLAN - BASEMENT

STAMP:



A400

POWER & SIGNAL PLAN LEGEND

- 40" — NEW DUPLEX RECEPTACLE — INDICATES INCHES OF DEVICE AFF; NO # MEANS DEVICE IS AT STANDARD HEIGHT
- GFI — NEW DUPLEX RECEPTACLE; GROUND FAULT CIRCUIT INTERRUPTER
- NEW DUPLEX RECEPTACLE; DEDICATED
- WP — DEDICATED 20 AMP CIRCUIT WITH WEATHERPROOF OUTLET
- 44"AFF — NEW QUADRAPLEX RECEPTACLE — INDICATES HEIGHT OF DEVICE AFF IS NOT AT STANDARD HEIGHT
- NEW OUTLET - QUADRAPLEX, DEDICATED
- C — NEW WAP- CEILING MOUNTED
- NEW FLOOR CORE FOR DRINK RAIL POWER CONNECTION
- USB — NEW USB/DUPLEX RECEPTACLE
- NEW TEL-DATA DEVICE, WALL OR FURNITURE MOUNTED, 2 CABLE DROPS
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- $ EX — EXISTING TO REMAIN SWITCH
- $ XD — EXISTING TO DEMOLISH SWITCH
- $ — NEW SWITCH

GENERAL NOTES

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- G.C TO INVESTIGATE EXISTING WALL OUTLET CIRCUITING LOCATIONS AND REVIEW CIRCUIT LOCATIONS WITH ARCHITECT OR PROJECT ENGINEER PRIOR TO INSTALLATION.
- LOCATIONS OF M/E/P DEVICES (INCLUDING THERMOSTATS, OUTLETS, MOTION SENSOR, ETC.) EXPOSED TO VIEW SHALL BE APPROVED BY ARCHITECT PRIOR TO ROUGH-IN LOCATIONS. COORDINATE WITH M/E/P DRAWINGS.
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- ALL OUTLETS SHALL BE 18" AFF UNLESS OTHERWISE NOTED. NUMBERS INDICATED NEXT TO SPECIFIC SYMBOLS REFER TO THE HEIGHT ABOVE FINISH FLOOR.
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- GFI OUTLET IN RESTROOM, VANITY TO BE AT 3'-8", ALIGN WITH SWITCH HEIGHT.

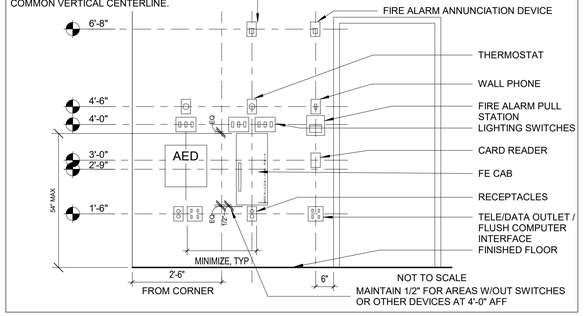
POWER & TEL DATA KEYNOTES

1. G.C. TO INSTALL PLUG MOLDS AT UNDERSIDE OF DRINK RAIL COUNTERS. POWER WIRING MUST BE FED UP THE BACK SIDE OF POST THROUGH FLOOR CORE. ALL WIRING TO BE RUN TIGHT TO THE BACK SIDE OF POST, TYP. **PLUG MOLD TO BE WHITE. PLACE USB OUTLET EVERY 4'-0".**
2. THERMOSTATS TO BE COORDINATED ON SITE.
3. VERIFY NEW EQUIPMENT REQUIREMENTS WITH OWNER AND FOOD SERVICE VENDOR.
4. G.C. TO PROVIDE CONVENIENCE DUPLEX WITHIN MILLWORK CABINET FOR FUTURE USE 18" AFF.
5. ALL LIGHTS TO BE ON MANUAL SWITCHES U.O.N. (TYP.)
6. ALL ELECTRICAL/ PLUMBING TO BE RUN THROUGH PROVIDED CHASE WALL AND DISPERSED AS REQUIRED. COORDINATE WITH MEP DRAWINGS.
7. (2) WAP DROP @ CEILING. VERIFY ALL WIFI LOCATIONS WITH OWNER IN FIELD.
8. (2) DATA PORT PLATES, (4) DATA DROPS, AND (1) QUAD REQUIRED. SEE MOUNTING HEIGHTS ON PLAN. COORDINATE WITH FINAL SHELF HT. GROMMETS AT SHELF BY TRIMARK.
9. (1) DATA PORT PLATE, (4) DATA DROPS, AND (1) QUAD REQUIRED PER POS LOCATION. PROVIDE 3 POS CONNECTION POINTS. FINAL NUMBER OF POS STATIONS TO BE DECIDED BY OWNER.
10. DIMENSIONS ARE TO TOP OF OUTLET COVERS. COORDINATE WITH STAINLESS STEEL SHELVING HEIGHT.
11. BANQUETTE CONVENIENCE OUTLETS. TO BE LOCATED HORIZONTALLY AND 6" FROM FLOOR TO CENTER OF BOX. G.C. TO COORDINATE BANQUETTE OUTLET LOCATIONS WITH FURNITURE VENDOR.
12. ALL POWER AND DATA OUTLETS TO BE LOCATED IN THE BACK OF CABINETS.
13. POWER AND DATA REQUIRED AT TOMBSTONE IN OVERSHELF PROVIDED BY KEC. COORDINATE WITH KEC DRAWINGS.
14. G.C. TO INSTALL WHITE PLUG MOLDS AT UNDERSIDE OF MAIN PASTRY AND BLACK OR BROWN AT BARISTA COUNTER. POWER WIRING MUST BE FED THROUGH DIE WALL. PLACE USB OUTLET EVERY 4'-0" STARTING 1'-0" FROM DIE WALL EDGE. **INSTALLED TIGHT TO DIE WALL WITH RECEPTACLE SLOTS FACING FLOOR.**
15. OUTLETS TO BE INSTALLED ABOVE REFRIGERATION EQUIPMENT AND TABLE BACKSPLASHES. TO BE INSTALLED HORIZONTALLY. ADJUST WALL HEIGHT AS NECESSARY.
16. G.C. TO VERIFY WITH FINAL RESTROOM ACCESSORIES SUBMITTALS FOR POWER REQUIREMENTS.
17. OUTLET FOR BUG LIGHT TO BE AT 5' AFF.
18. COORDINATE OUTLET ABOVE STOREFRONT WITH ENGINEERING DRAWINGS.
19. ELECTRICAL PANEL RECESSED WITHIN ON 6" STUD WALL.
20. GC/ENGINEER TO PROVIDE CIRCUIT/ELECTRICAL CONNECTION FROM EXTERIOR SIGNAGE ILLUMINATION.
21. (1) DATA PORT PLATES, (2) DATA DROPS, AND (1) DUPLEX FOR KDS SCREEN. G.C. TO COORDINATE SCREEN MOUNTING.
22. (1) DATA PORT PLATES, (2) DATA DROPS, AND (1) QUAD REQUIRED. CONFIRM ALL REQUIRED EQUIPMENT ELECTRICAL REQUIREMENTS WITH KITCHEN. ALL OUTLETS TO BE BELOW COUNTER. MILLWORKER TO CONFIRM CORING LOCATIONS WITH OWNER. INSIDE CABINET.
23. GFI RECEPTACLES REQUIRED MAXIMUM 6" FROM ALL SINKS.
24. GC TO INSTALL FROST HOSE BIB AT EXTERIOR WALL. GC TO INSTALL EXTERIOR OUTLET. CONFIRM FINAL LOCATION WITH EXTERIOR CONDITIONS.
25. (1) QUAD REQUIRED. CONFIRM ALL REQUIRED EQUIPMENT ELECTRICAL REQUIREMENTS WITH KITCHEN. ALL OUTLETS TO BE BELOW COUNTER. MILLWORKER TO CONFIRM CORING LOCATIONS WITH OWNER.
26. (2) DATA AND (1) DUPLEX REQUIRED. TO BE INSTALLED 6" ABOVE TOP SHELF OF OVERSHELF. COORDINATE WITH KEC DRAWINGS.
27. (1) DATA PORT PLATES, (2) DATA DROPS, AND (1) DUPLEX REQUIRED. HOLE TO BE CUT IN STONE COUNTERTOP AT ACCOMODATE WIRING - COORDINATE WITH OWNER.
28. (1) DATA PORT PLATES, (2) DATA DROPS, AND (1) QUAD REQUIRED. SEE MOUNTING HEIGHTS ON PLAN. COORDINATE WITH FINAL SHELF HT. GROMMETS AT SHELF BY TRIMARK.

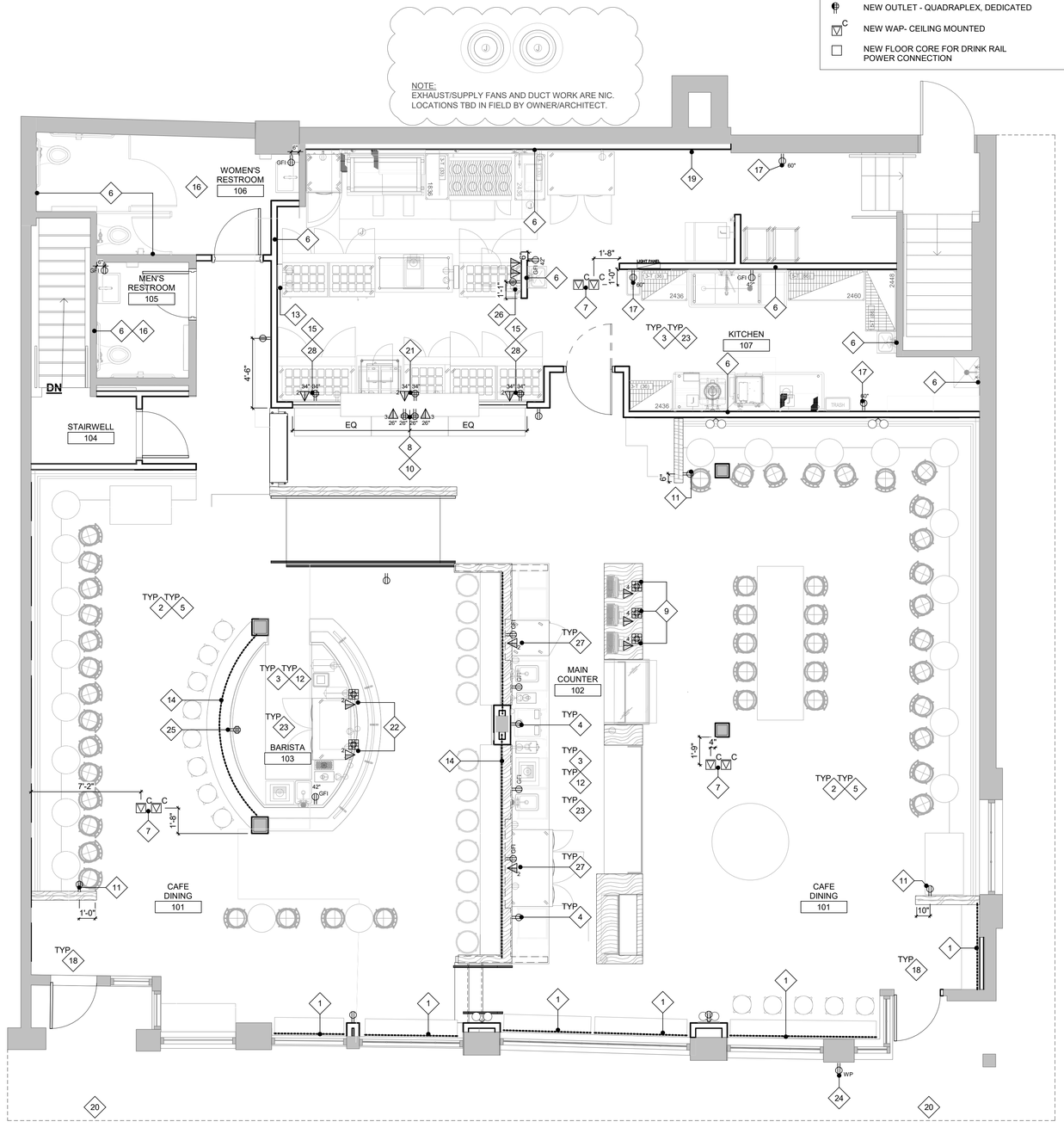
TYPICAL MOUNTING HEIGHTS

1. DEVICES INSTALLED AS SHOWN U.O.N.
2. MOUNTING HEIGHTS MEASURED FROM CENTERLINE OF DEVICE, OR GROUP OF DEVICES, TO FINISHED FLOOR.
3. DEVICES, OR GROUP OF DEVICES, INSTALLED ON COMMON VERTICAL CENTERLINE.

EXAMPLE OF GROUPING & ALIGNING DEVICES ON COMMON VERTICAL CENTERLINE; INCLUDE FE CABS & OTHER WALL-MOUNTED OBJECTS IN COMMON VERTICAL CENTERLINE



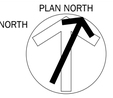
NOTE:
EXHAUST/SUPPLY FANS AND DUCT WORK ARE NIC.
LOCATIONS TBD IN FIELD BY OWNER/ARCHITECT.



1 POWER PLAN - FIRST FLOOR
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

NORTH ARROWS:



ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13
2	MEP COORDINATION	2022-10-05

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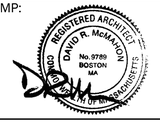
PROJECT INFORMATION:

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JOB NO: 2022-3904

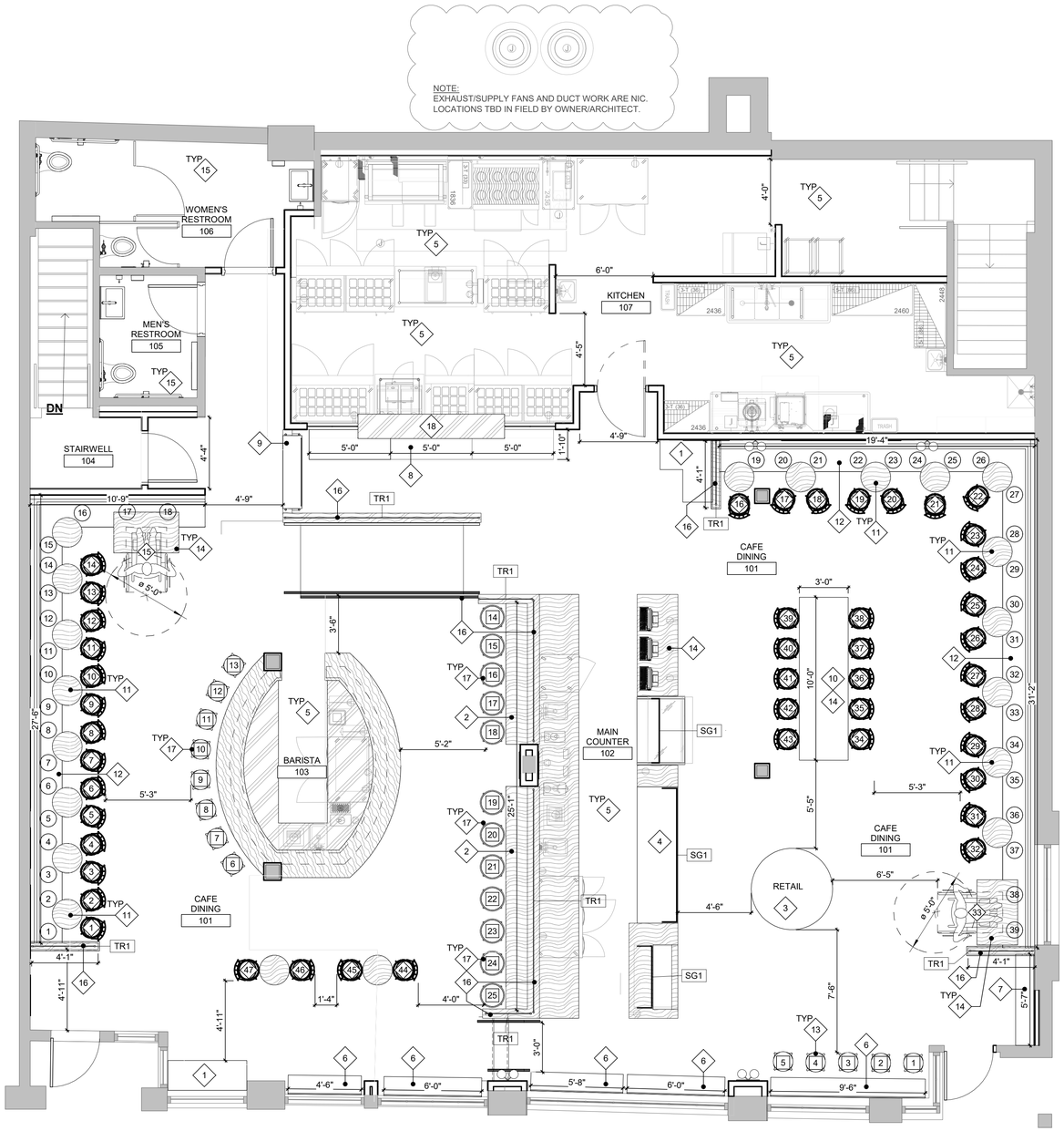
SHEET TITLE:

POWER PLAN - FIRST FLOOR

STAMP:



A401



1 FURNITURE & EQUIPMENT PLAN - FIRST FLOOR
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

FURNITURE & EQUIPMENT KEYNOTES

GENERAL NOTES:

- FURNITURE AND EQUIPMENT LAYOUT FOR REFERENCE ONLY. REFER TO KITCHEN EQUIPMENT PLAN AND SCHEDULE FOR SPECIFIC EQUIPMENT POWER AND DIMENSIONAL INFORMATION.
- FURNITURE TO BE PROVIDED BY OWNER AND INSTALLED BY GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
- G.C TO PROVIDE FIRE-RATED BLOCKING FOR BUILD-IN FURNITURE, ARTWORK AND EQUIPMENT. COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.
- G.C TO CONFIRM EQUIPMENT POWER AND TEL / DATA CONNECTION REQUIREMENTS PRIOR TO INSTALLATION.
- REFER TO A011 FOR SCHEDULES
- REFER TO LOW VOTAGE/AV CONSULTANT'S DRAWINGS FOR FINAL POS LOCATIONS

1. CONDIMENT STATION BY OWNER VENDOR.
2. COUNTER HEIGHT MARBLE COUNTERTOP ON CONCEALED BRACKETS. G.C. TO PROVIDE BRACKETS/BRACING/BLOCKING AS REQUIRED.
3. RETAIL TABLE BY OWNER VENDOR.
4. FABRICATED PIECE BY OWNER. COORDINATE WITH MILLWORKER.
5. KITCHEN EQUIPMENT BY OTHERS. COORDINATE WITH KITCHEN VENDOR.
6. DRINK RAIL **WITH** BACKSPLASH- COUNTER HEIGHT. MARBLE TOP WITH METAL POSTS. BY GC/ MILLWORKER.
7. DRINK RAIL **WITHOUT** BACKSPLASH- COUNTER HEIGHT. MARBLE TOP WITH METAL POSTS. BY GC/ MILLWORKER
8. STAINLESS STEEL SHELVING BELOW PASS WINDOW BY OWNER KITCHEN VENDOR.
9. CUSTOM WOOD/BRASS TO-GO SHELVING BY OWNER. COORDINATE WITH MILLWORKER
10. FARM/ COMMUNIAL TABLE BY OWNER FURNITURE VENDOR. VERIFY SIZING/LOCATION IN FIELD WITH OWNER. COORDINATE WITH RCP.
11. MARBLE TABLES AND CHAIRS BY OWNER FURNITURE VENDOR.
12. BANQUETTE BY OWNER FURNITURE VENDOR. COORDINATE ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION.
13. COUNTER STOOLS BY OWNER.
14. TOPS OF ACCESSIBLE DINING AND WORK SURFACES SHALL BE MINIMUM 28" AND MAXIMUM 34" IN HEIGHT AFF.
15. SEE SHEET A702 FOR RESTROOM FIXTURE AND ACCESSORY INFORMATION.
16. MARBLE WALL CAP & TIP RAIL. REFER TO MISC. SCHEDULE FMI
17. BAR STOOLS BY OWNER.
18. STAINLESS STEEL SHELVING IN PASS WINDOW BY OWNER KITCHEN VENDOR.

SEAT CHART

	AREA & QUANTITY	TOTAL
◇	UNCONCENTRATED	47
○	FIXED SEATING	39
□	COUNTER SEATING	25
	MAXIMUM SEATING CAPACITY	***111***
	EMPLOYEES	20
	TOTAL OCCUPANCY:	**131**



TIP RAIL INSPIRATION

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13
2	MEP COORDINATION	2022-10-05

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JOB NO: 2022-3904

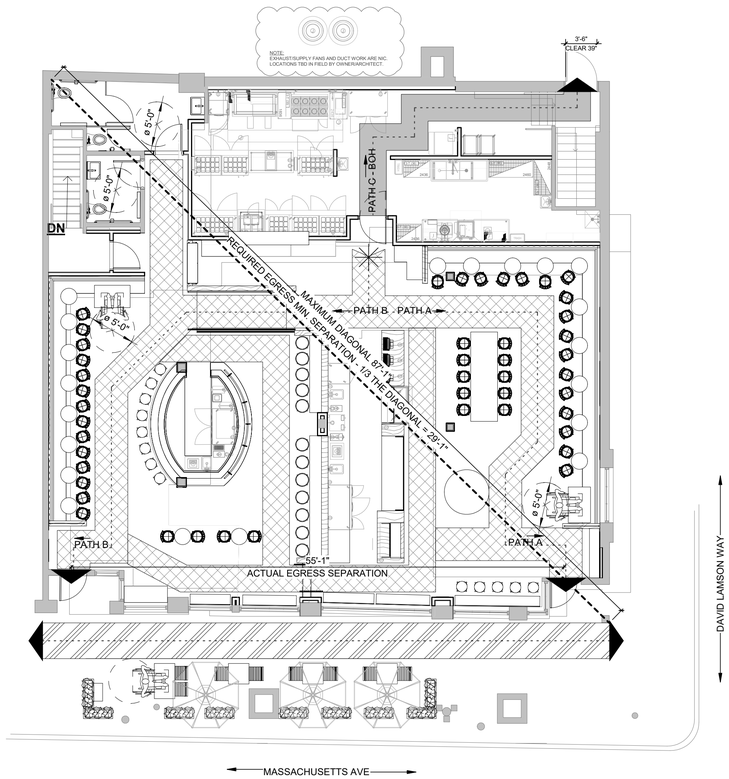
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FURNITURE & EQUIPMENT PLAN - FIRST FLOOR

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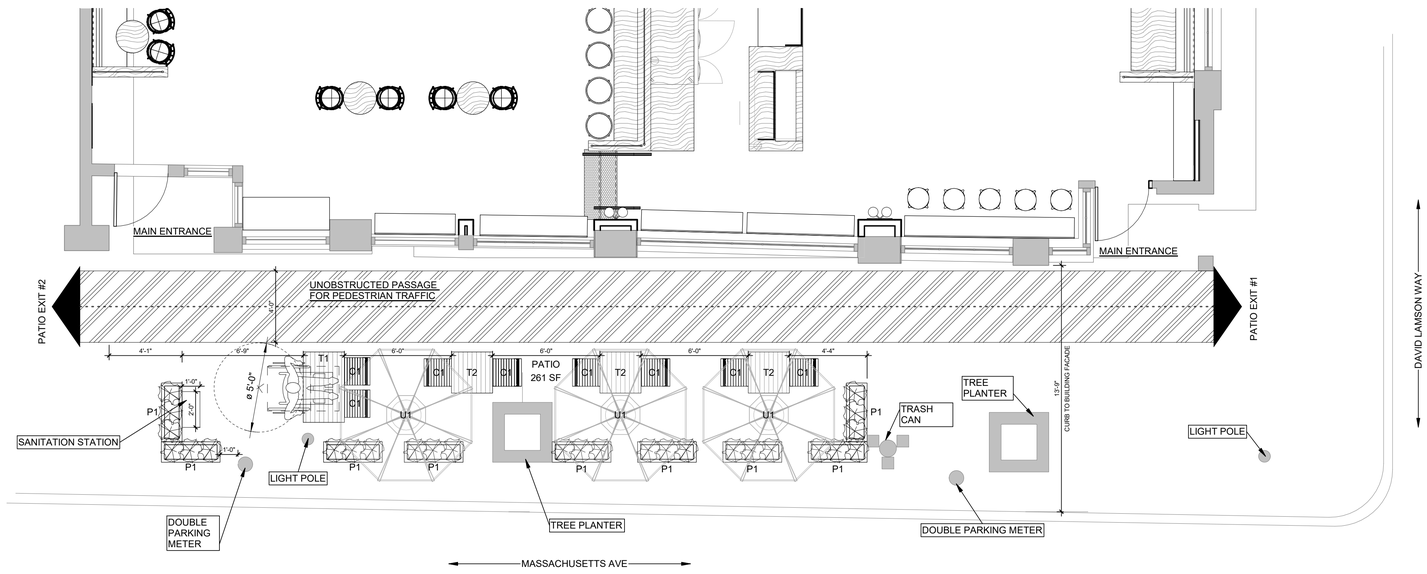
REGISTERED ARCHITECT DAVID R. McMAHON No. 9789 BOSTON MA COMMONWEALTH OF MASSACHUSETTS

A501



1 PATIO EGRESS KEY PLAN
SCALE: 1/8" = 1'-0"

Scale: 1/8 =1"
0' 4' 8' 16' 32'



2 ENLARGED PATIO PLAN
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

FURNITURE SCHEDULE								
CODE	MANUFACTURER	MODEL	FINISH	DESCRIPTION	SIZE	COMMENTS	COUNT	Image
C1	BEER GARDEN FURNITURE	BEER GARDEN BISTRO CHAIRS WITH 3 BACKREST SLATS	NUT BROWN WITH BLACK FRAMES	WOOD SLAT WITH POWDERCOAT ED METAL BASE			8	
P1	VASE SOURCE	VERTICAL LINE MATTE BLACK RECTANGULAR	MATTE BLACK	ECOFRIENDLY COMPOSITE	39.4"W X 13.8"D X 29.5"H	PLANTING BY OTHERS. BARRIER OVERALL HEIGHT 42" MAX.	9	
T1	BEER GARDEN FURNITURE	RECTANGLE BEER GARDEN BISTRO TABLE	NUT BROWN WITH BLACK FRAMES	WOOD SLAT WITH POWDERCOAT ED METAL BASE	47.5"W X 27.6"D	ADA TABLE TO HAVE ADA CORNER MOUNT LEGS FOR PROPER CLEARANCE	1	
T2	BEER GARDEN FURNITURE	SQUARE BEER GARDEN BISTRO TABLE	NUT BROWN WITH BLACK FRAMES	WOOD SLAT WITH POWDERCOAT ED METAL BASE	27.6"W X 27.6"D		3	
U1	IPATIO UMBRELLA	COMMERCIAL WOOD MARKET UMBRELLA SUNCRYLIC	LIGHT WOOD. FABRIC: NATURAL CANVAS WHITE FABRIC. BASE: CAST METAL WITH BRONZE FINISH	9'-0" DIAMETER. WHITE SUNBRELLA FABRIC.	9'-0" DIAMETER	*NOTE: IMAGE FOR REFERENCEONLY. NOT TO DEPICT FINISH COLOR	3	

EGRESS LEGEND

44"	44" EGRESS PATH-PRIMARY FRONT OF HOUSE		MAXIMUM LENGTH OF TRAVEL
36"	36" EGRESS PATH-SECONDARY FRONT OF HOUSE		LONGEST PATH OF EGRESS TRAVEL
36"	36" EGRESS PATH BACK OF HOUSE		EXIT DOORWAY/EXIT
48" 30" 19"	5% TABLES TO BE ACCESSIBLE *NOT INCLUDING EMPLOYEES		PROPERTY LINE

CODE 248 CMR - PLUMBING

CHAPTER	DESCRIPTION	SECTION
CHAPTER 10 248 CMR PLUMBING SYSTEMS	TOILET CALCULATIONS TOTAL ALLOWED: WOMEN'S TOTAL 1/30 : (1 / PER 30 OCCUPANTS) = NUMBER OF FIXTURES MEN'S TOTAL 1/60: (1 / PER 60 OCCUPANTS) = NUMBER OF FIXTURES TOTAL ACTUAL (FOH): TOTAL 120/2 = 60 MEN AND 60 WOMEN WOMEN'S 60/30 = 2 FIXTURES REQUIRED - 2 FIXTURES PROVIDED MEN'S 60/60 = 1 FIXTURE - 1 FIXTURE PROVIDED TOTAL ACTUAL (BOH): EMPLOYEE RESTROOM - 1 UNISEX FIXTURE PROVIDED TO ACCOMMODATE UP TO 20 EMPLOYEES	10.10

TOTAL EGRESS PATH LENGTHS

PATH	LENGTH OF TRAVEL
PATH A	63'-0"
PATH B	63'-0"
PATH C - BOH	36'-7"
PATH D - BOH (BASEMENT)	69'-7"
PATH E - BOH (BASEMENT)	92'-8"
PATH P - PATIO	63'-5"

SEAT CHART

AREA & QUANTITY	TOTAL
INDOOR SEATING	111
PATIO SEATING (1 ADA SEAT INCLUDED) • SQUARE FOOTAGE: **261 SF** • 4 DINING SURFACES X 0.05 = 0.2 1 ACCESSIBLE DINING SURFACE REQUIRED AND 1 PROVIDED	9
MAXIMUM SEATING CAPACITY	***120***
GRAND TOTAL: **AS LIMITED BY TOWN OF ARLINGTON*	**120**

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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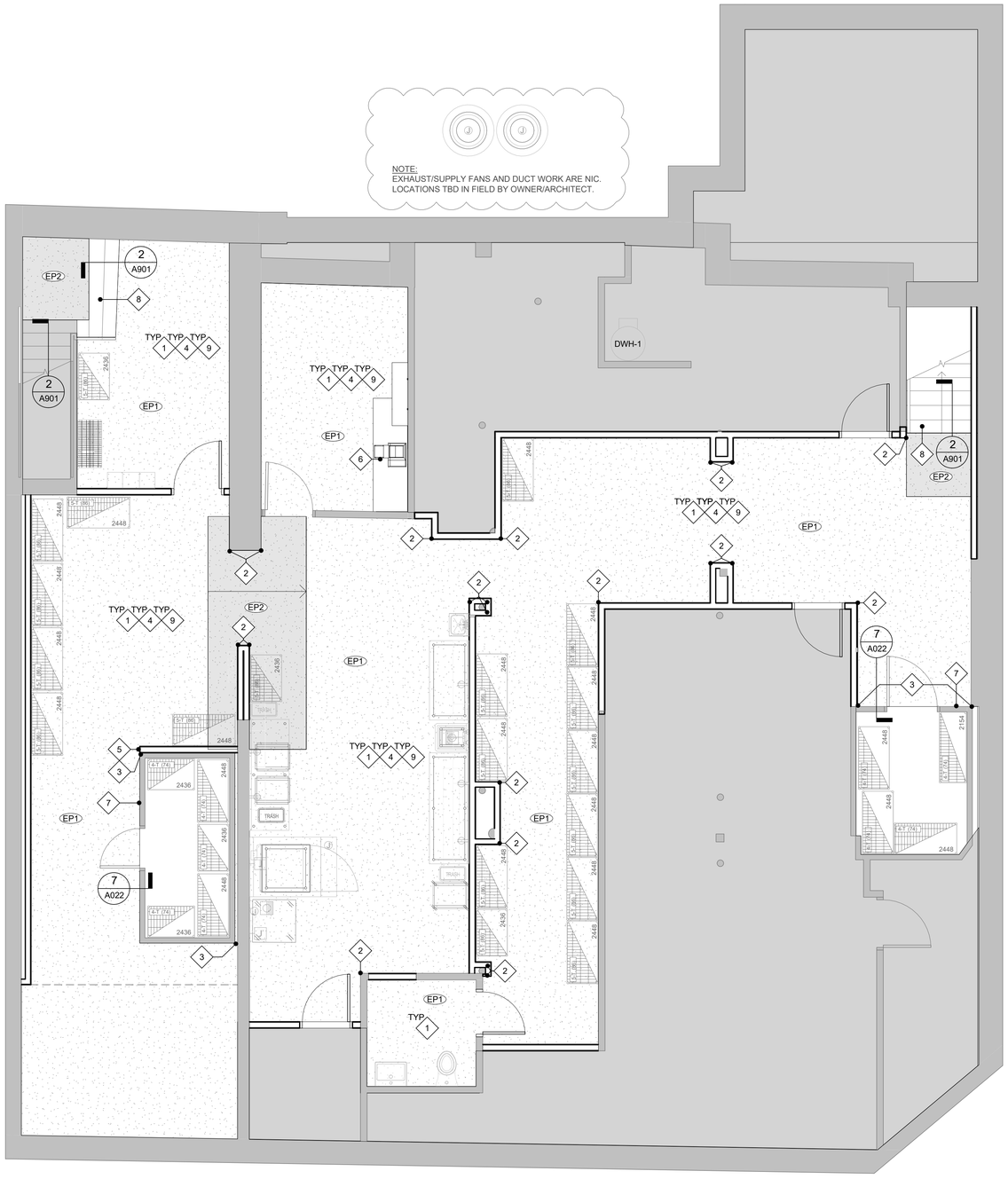
SHEET TITLE:

PATIO PLAN

STAMP:

REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA
COMMONWEALTH OF MASSACHUSETTS

A501A



1 FINISH PLAN - BASEMENT
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

FINISH KEYNOTES

GENERAL NOTES:

- G.C. TO INSTALL FLOORING UNDER ALL MILLWORK (TYP.).
- ALL FLOORING TRANSITION IS TO OCCUR AT THE CENTER OF THE DOOR IF THRESHOLD IS NOT SPECIFIED.
- FRP THROUGHOUT KITCHEN AND BOH AREAS, UNLESS OTHERWISE NOTED.

1. TYP. FINISH AT BACK OF HOUSE WALLS. SEE DETAIL 12 ON SHEET A021 FMI
2. 2"X2" S.STEEL CORNER GUARDS UP TO 8'-0" TALL- GLUE APPLIED.
3. ADD STAINLESS STEEL FILLER PANEL TO CLOSE OFF AREA BEHIND COOLER. COORDINATE WITH KITCHEN VENDOR.
4. TYP. PLYWOOD AT KITCHEN WALLS TO BE 5-PLY AND PRESSURE TREATED. GC TO PROVIDE ARCHITECT SPEC FOR APPROVAL THROUGH SUBMITTAL PROCESS.
5. S. STEEL WALL CAP. TO BE UP TO 8'-0" TALL AND ADHERED WITH MANUFACTURER RECOMMENDED ADHESIVE.
6. BOH MILLWORK TO BE PL1.
7. EPOXY COVE BASE TO CONTINUE AT WALL OF WALK-IN COOLER. Z FLASHING TRIM PIECE APPLIED TO COOLER WITH SILICONE TO COVER TOP OF BASE.
8. STAIRS TREADS AND RISERS TO BE REFINISHED. SEE DETAIL 2/A901 FMI.
9. BASEMENT LAYOUT IS SUBJECT TO MINOR CHANGE.

LEVEL OF WATERPROOFING:
BARISTA BOH, MAIN COUNTER BOH, AND RESTROOMS.

WATERPROOFING
BASE MATERIAL IS COMPOSEAL GOLD FOUR-PLY, 40 MIL (NOMINAL) GAUGE HEAT FUSED CRACK ISOLATION WATERPROOF SHEET MEMBRANE. THIN-SET BED: BONSAL FLEXIBLE MULTI-PURPOSE THIN SET MORTAR; BONSAL MULTI-PURPOSE THIN SET MORTAR; BONSAL PREMIUM THIN MORTARS; BONSAL FLOOR THIN SET MORTAR; BONSAL FLEXIBLE QUICKSET THIN SET MORTAR. GROUT: BONSAL POLYMER MODIFIED SANDED TILE GROUT; BONSAL NON-POLYMER SANDED TILE GROUT; BONSAL POLYMER MODIFIED UNSANDED TILE GROUT. WATER TEST: AT WATERPROOFED LOCATIONS, PROVIDE FLOOD TESTING PRIOR TO FLOOR FINISH INSTALLATION. AT A MINIMUM, FLOOD THE AREA TO A MINIMUM OF 2 INCHES ABOVE HIGHEST ELEVATION FOR 8 HOURS. MONITOR AREAS BELOW FOR LEAKS. TENANT SHALL BE RESPONSIBLE FOR ANY LEAKS DAMAGE THAT OCCURS TO TENANT SPACE BELOW DURING TESTING.

FLOOR FINISH KEY

EP1- EPOXY FLOOR WITH EXTENDED COVE BASE 6" UP WALL TO MEET FULL HEIGHT FRP.

EP2- EPOXY FLOOR WITH ADDED 24 GRIT WHITE ALUMINUM OXIDE TO INCREASE SLIP RESISTANCE - WITH EXTENDED COVE BASE 6" UP WALL TO MEET FULL HEIGHT FRP.

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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CHECKED BY: AV
JOB NO: 2022-3904

SHEET TITLE:

FINISH PLAN - BASEMENT

STAMP:

REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA
COMMONWEALTH OF MASSACHUSETTS

A600

FLOOR FINISH KEY

FT1- 1" HEXAGON MOSAIC CERAMIC TILE AT BACK OF MAIN COUNTER AND BARISTA FOOD PREP AREAS.

FT2- CUSTOM 1" DIAMOND MOSAIC CERAMIC TILE THROUGHOUT FRONT OF HOUSE

FT3- 1" HEXAGON MOSAIC CERAMIC TILE WITH BLACK 1" HEXAGON BORDER. SEE PLAN FMI.

EP1- EPOXY FLOOR WITH EXTENDED COVE BASE 6" UP WALL TO MEET FULL HEIGHT FRP.

FINISH KEYNOTES

GENERAL NOTES:

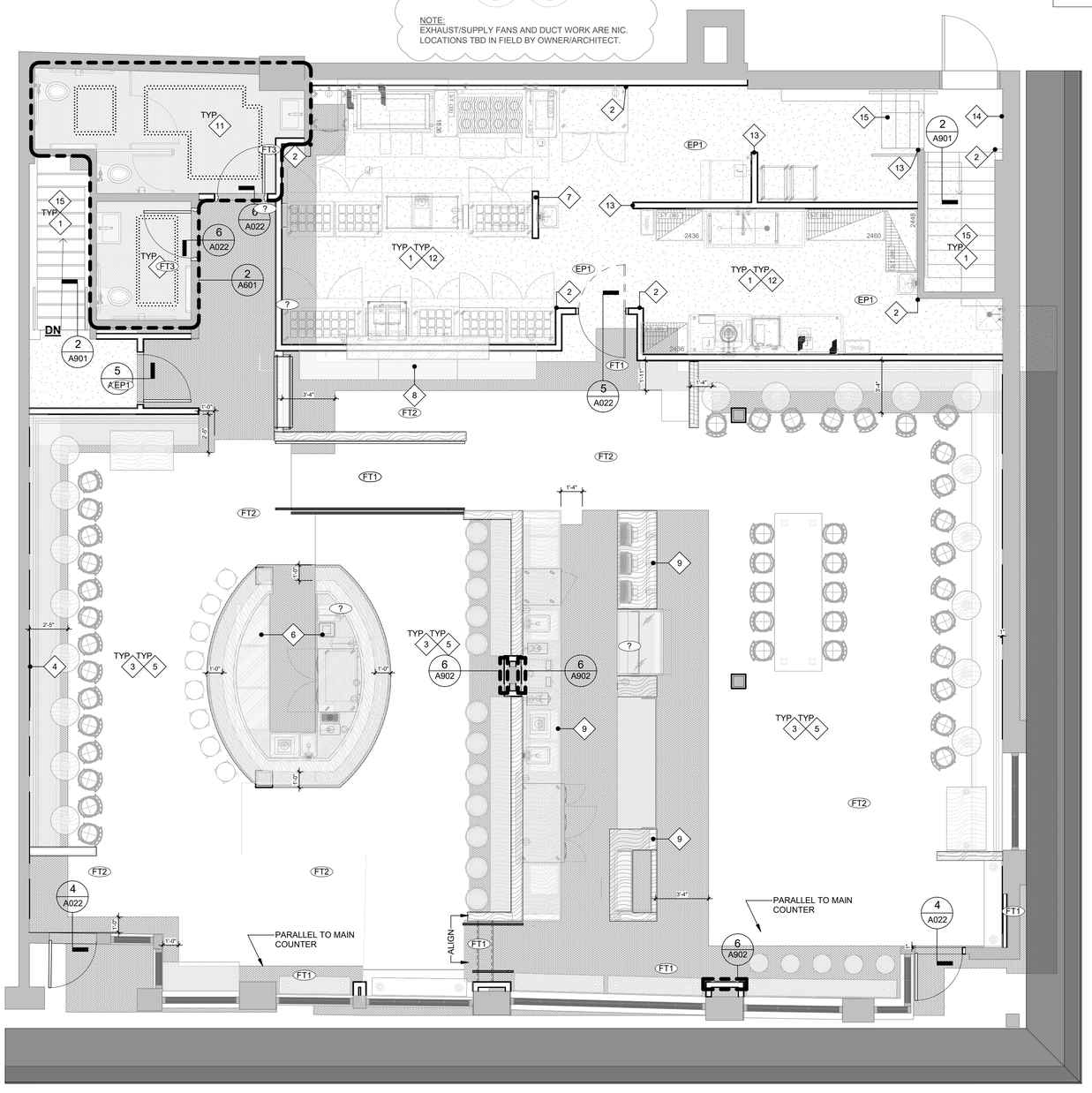
- G.C. TO INSTALL FLOORING UNDER ALL MILLWORK (TYP.).
- ALL FLOORING TRANSITION IS TO OCCUR AT THE CENTER OF THE DOOR IF THRESHOLD IS NOT SPECIFIED.
- REFER TO ELEVATIONS FOR WALL FINISHES IN FRONT OF HOUSE AND RESTROOMS.
- REVIEW TILE LAYOUT WITH ARCHITECT PRIOR TO INSTALLATION.
- FRP THROUGHOUT KITCHEN, AND BOH AREAS UNLESS OTHERWISE NOTED.

1. TYP. FINISH AT BACK OF HOUSE WALLS. SEE DETAIL 12 ON SHEET A021 FMI
2. 2"X2" S.STEEL CORNER GUARDS. 8'-0" OVERALL HEIGHT- GLUE APPLIED.
3. PATTERNED TILE TO BE RUN PARALLEL TO STOREFRONT WALL . SEE LAYOUT ON PLAN FOR DIRECTIONAL DIAGRAM REFERENCE. DIRECTIONAL DIAGRAM NOT TO SCALE.
4. SPECIALTY 6"x6" TILE WALL WITH SPECIALTY PANEL DESIGN. SEE ELEVATIONS ON SHEET A701 FMI.
5. TILE WALL TO 10'-10" FROM LOWER LEVEL. SEE FINISH SCHEDULE AND ELEVATIONS ON SHEET A700 SERIES FMI. PATTERN AND FINISH TO BE FINALIZED WITH OWNER.
6. STAINLESS STEEL WORKING TOP.
7. STAINLESS STEEL CHAISE WALLS BY OTHERS.
8. STAINLESS STEEL PASS BY OTHERS.
9. MARBLE COUNTER TOP.
10. EXISTING STAIR FINISH TO REMAIN. G.C TO TAKE CARE TO CLEAN AND PROTECT DURING CONSTRUCTION.
11. TYP. FINISH AT RESTROOM FLOOR. SEE DETAIL 2/A601 FMI.
12. TYP. PLYWOOD AT KITCHEN WALLS TO BE 5-PLY AND PRESSURE TREATED. GC TO PROVIDE ARCHITECT SPEC FOR APPROVAL THROUGH SUBMITTAL PROCESS.
13. S. STEEL WALL CAP. TO BE 8'-0" TALL AND ADHERED WITH MANUFACTURER RECOMMENDED ADHESIVE.
14. STAIR LANDING CONCRETE FLOOR TO BE PATCHED AND REPAIRED AS NEEDED. RESEAL WITH CLEAR COATING.
15. STAIRS TREADS AND RISERS TO BE REFINISHED. SEE DETAIL 2/A901 FMI.

LEVEL OF WATERPROOFING:
BARISTA BOH, MAIN COUNTER BOH, AND RESTROOMS.

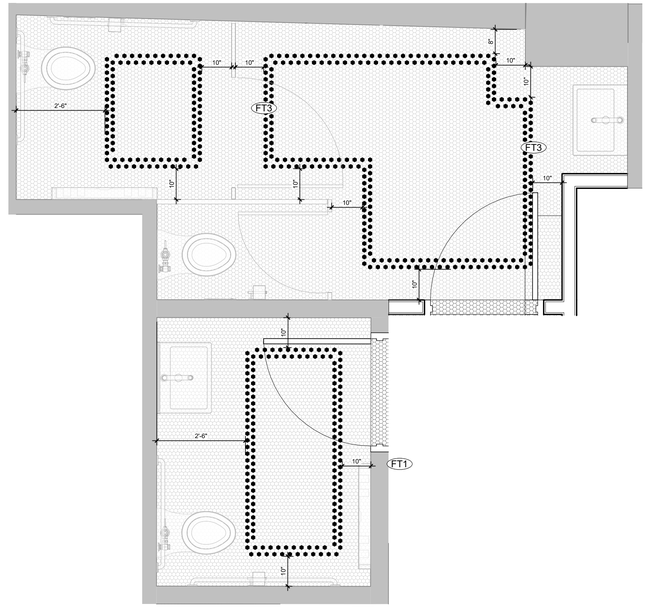
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NOTE:
EXHAUST/SUPPLY FANS AND DUCT WORK ARE NIC.
LOCATIONS TBD IN FIELD BY OWNER/ARCHITECT.



1 FINISH PLAN - FIRST FLOOR
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'



2 ENLARGED RESTROOM FINISH PLAN
SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'
0 2' 4'

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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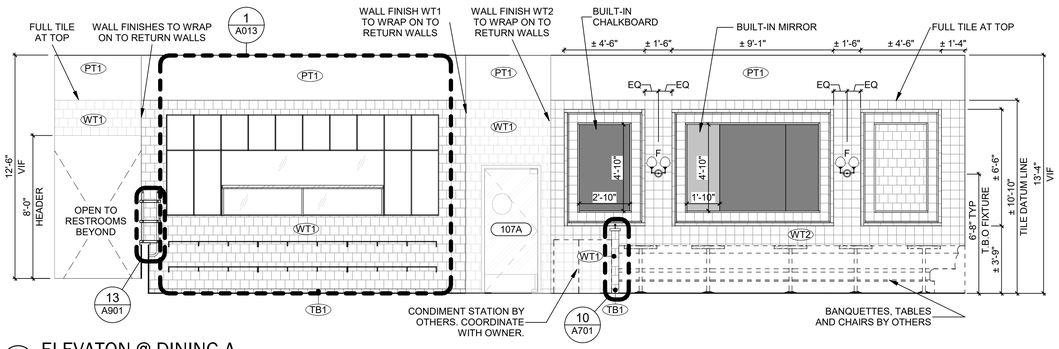
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FINISH PLAN - FIRST FLOOR

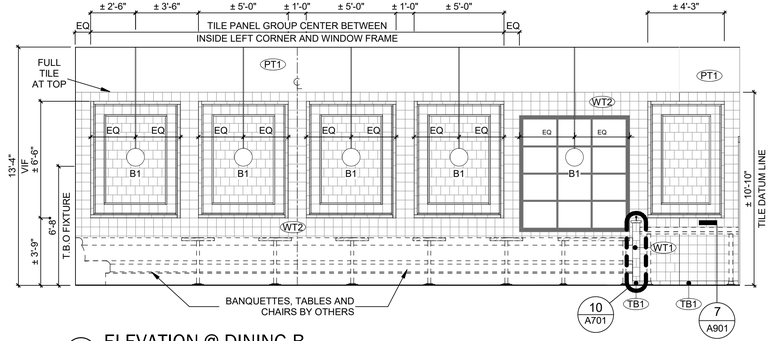
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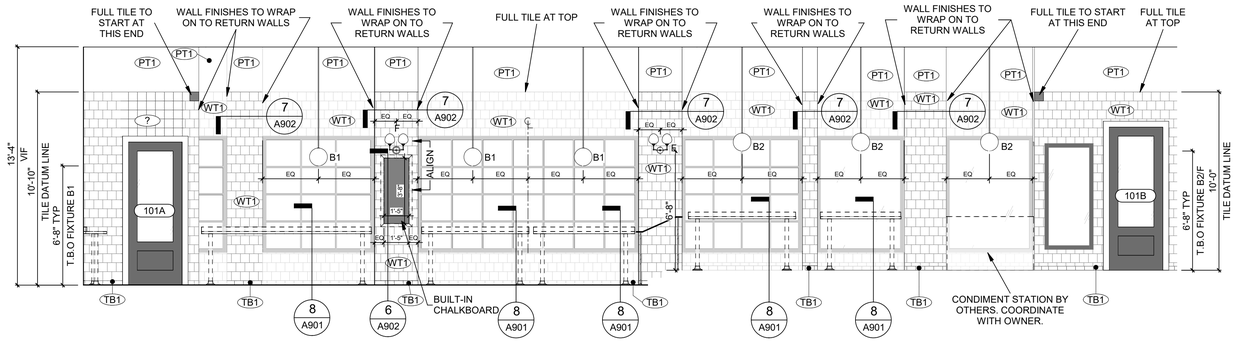
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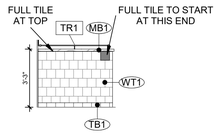
1 ELEVATON @ DINING A
SCALE: 1/4" = 1'-0"



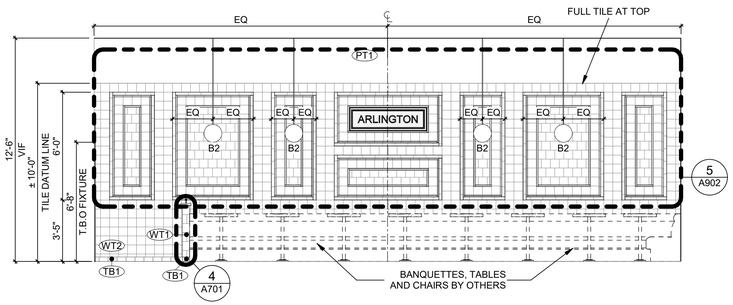
2 ELEVATION @ DINING B
SCALE: 1/4" = 1'-0"



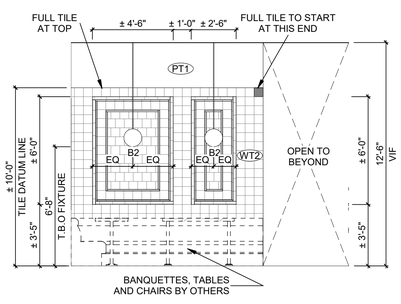
3 ELEVATION @ DINING C
SCALE: 1/4" = 1'-0"



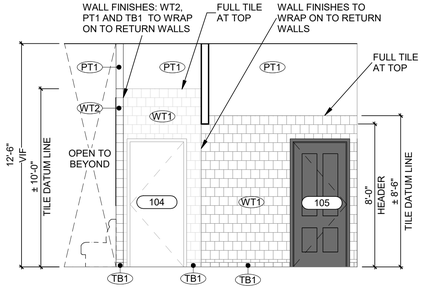
4 ELEVATION @ DINNING D - HALF WALL
SCALE: 1/4" = 1'-0"



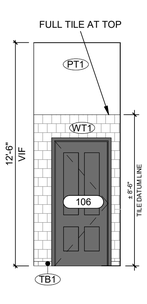
5 ELEVATION @ DINING D
SCALE: 1/4" = 1'-0"



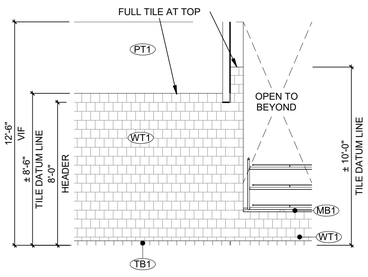
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SCALE: 1/4" = 1'-0"



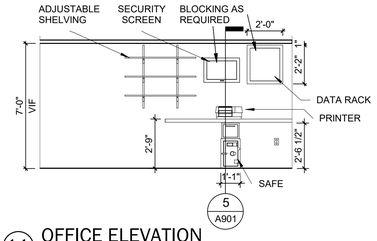
7 ELEVATION @ RESTROOM HALL A
SCALE: 1/4" = 1'-0"



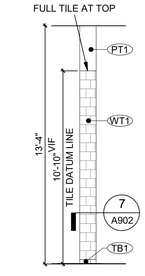
8 ELEVATION @ RESTROOM HALL B
SCALE: 1/4" = 1'-0"



9 ELEVATION @ RESTROOM HALL C
SCALE: 1/4" = 1'-0"



11 OFFICE ELEVATION
SCALE: 1/4" = 1'-0"



12 TYP. COLUMN ELEVATION
SCALE: 1/4" = 1'-0"

10 ELEVATION @ DINING A/B - HALF WALL
SCALE: 1/4" = 1'-0"

Scale: 1/4" = 1'
0 4' 8'

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
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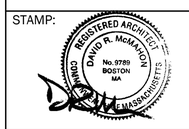
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SHEET TITLE:

INTERIOR ELEVATIONS

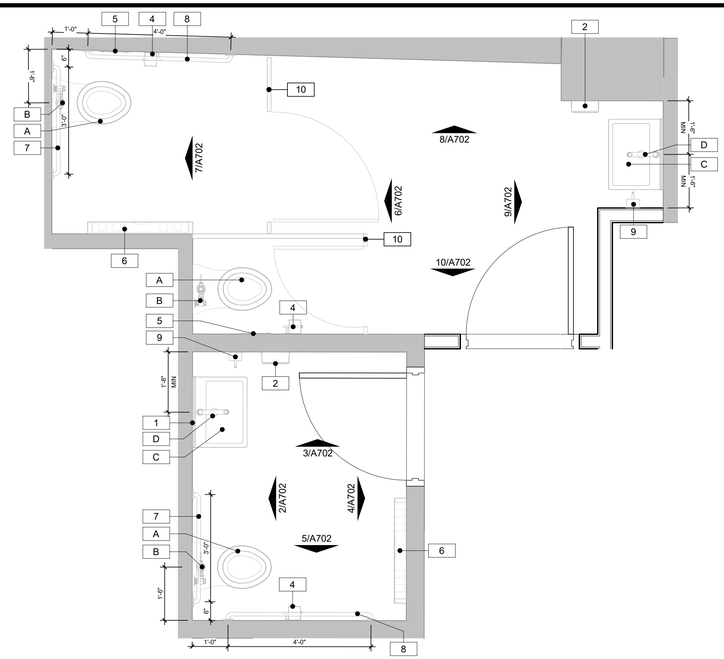
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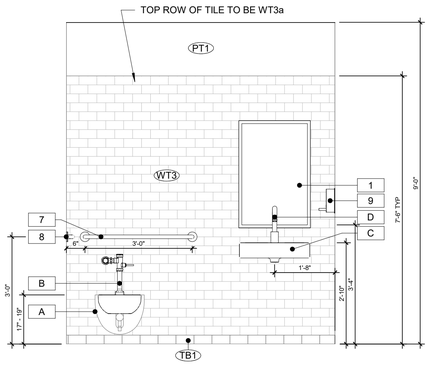
A701

PLUMBING FIXTURE SCHEDULE

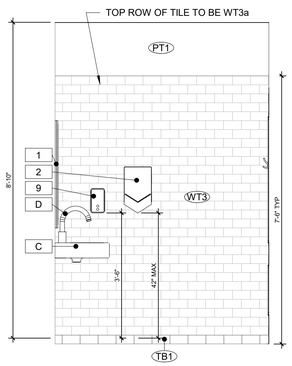
KEY	DESCRIPTION	MANUFACTURER	MODEL	COMMENTS	RESPONSIBILITY	
					FURNISHED	INSTALLED
FIXTURE						
A	TOILET & TOILET SEAT COVER	KOHLER	KINGSTON K-84325-0 TOILET SEAT: LUSTRA K-4670-C	WALL MOUNTED TOILET- TO BE MOUNTED AT ADA HT	GC	GC
B	SENSOR FLUSHOMETER - 1.28GPF	SLOAN	ECOS-111-1.28 HW	PROVIDED AND INSTALLED BY G.C.	GC	GC
C	WALL MOUNTED SINK - WASHBASIN	DURAVIT	045460	TO BE MOUNTED 2'-10" AFF MAX. G.C. TO PROVIDE LAVATORY TRAP COVERS FOR ADA COMPLIANT PIPE PROTECTION. FINISH TO BE WHITE.	GC	GC
D	FAUCET	CHICAGO FAUCETS	ELECTRONIC- SSPS 116.941.AB.1	COORDINATE REQUIRED CONNECTIONS WITH MEP DRAWINGS.	GC	GC
ACCESSORIES						
1	MIRROR	POTTERY BARN	SCARLETT MONOGRAM WALL MIRROR	G.C. TO PROVIDE BLOCKING IN WALL FOR MOUNTING OF RESTROOM MIRRORS- 40" AFF. REFLECTIVE SURFACE OF MIRROR TO BE MOUNTED AT 40" A.F.F.	GC	GC
2	HAND DRYER	DYSON	AIRBLADE V: HU02-N-LV	REFER TO A031 FOR ADA MOUNTING REQUIREMENTS	GC	GC
3	WALL HOOK	IVES HINGES	571 ABLK		GC	GC
4	TOILET PAPER HOLDER	BY G.C.	N/A	CUSTOM PIPE TOILET PAPER HOLDER - BUILD CUSTOM TOILET PAPER HOLDER USING 3/4" PIPE AND (1) ASSOCIATED SIZED FLANGE, (1) 90° ELBOW AND (1) END CAP. PROVIDED BY AND INSTALLED BY G.C. VERIFY QUANITIES. ENSURE SET SCREW IS TIGHTLY FASTENED. APPLY THREAD LOCK	GC	GC
5	RECESSED SANITARY NAPKIN DISPOSAL	BOBRICK	B-353	VERIFY MOUNTING HEIGHT ON SHEET A031.	GC	GC
6	PLASTIC WALL MOUNTED BABY CHANGING STATION	KOALA KARE	KB200-00	WALL MOUNTED. G.C. TO PROVIDE BLOCKING AND FRAMING AS REQUIRED	GC	GC
7	36" GRAB BAR	BY G.C.	N/A	CUSTOM PIPE GRAB BAR - BUILD CUSTOM GRAB BAR USING 1-1/4" STEEL PIPE AND (2) ASSOCIATED SIZED FLANGE AND (2) 90° ELBOWS. TO BE 36" LONG, FROM CENTER LINE OF FLANGE TO CENTER LINE OF FLANGE AND BETWEEN 1-1/4" TO 1-1/2" AWAY FROM THE WALL. PROVIDED BY AND INSTALLED BY G.C. VERIFY QUANITIES.	GC	GC
8	42" GRAB BARS	BY G.C.	N/A	CUSTOM PIPE GRAB BAR - BUILD CUSTOM GRAB BAR USING 1-1/4" STEEL PIPE AND (2) ASSOCIATED SIZED FLANGE AND (2) 90° ELBOWS. TO BE 42" LONG, FROM CENTER LINE OF FLANGE TO CENTER LINE OF FLANGE AND BETWEEN 1-1/4" TO 1-1/2" AWAY FROM THE WALL. PROVIDED BY AND INSTALLED BY G.C. VERIFY QUANITIES.	GC	GC
9	SOAP DISPENSER	BRADLEY CORPORATION	6562	TO BE MOUNTED @ 44" A.F.F. MAX HEIGHT.	GC	GC
10	TOILET PARTITION	SCRANTON PRODUCTS	ECLIPSE | 62" HEIGHT | FINISH - BLACK - ORANGE PEEL | ENGRAVING - TRADITIONAL 2600	REFER TO MANUAL INSTALLATION INSTRUCTIONS. INSTALL TO ADA REQUIREMENTS	GC	GC



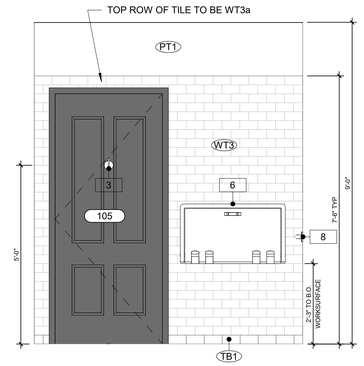
1 RESTROOM CALLOUT - FIRST FLOOR
SCALE: 1/2" = 1'-0"



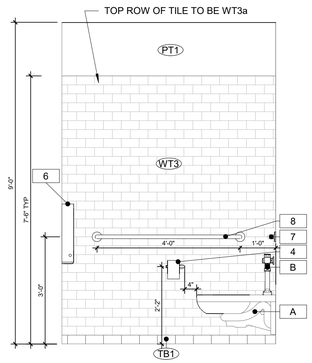
2 MEN'S WC ELEVATION A
SCALE: 1/2" = 1'-0"



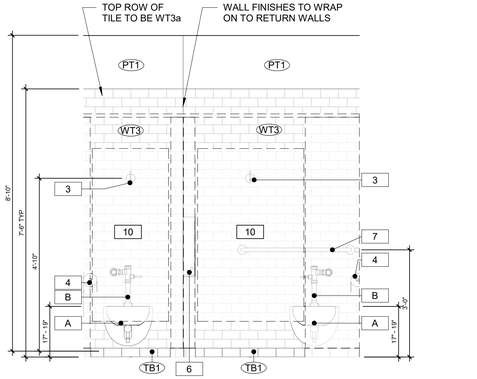
3 MEN'S WC ELEVATION B
SCALE: 1/2" = 1'-0"



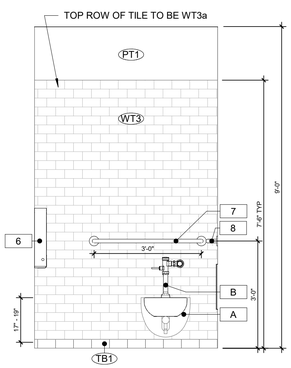
4 MEN'S WC ELEVATION C
SCALE: 1/2" = 1'-0"



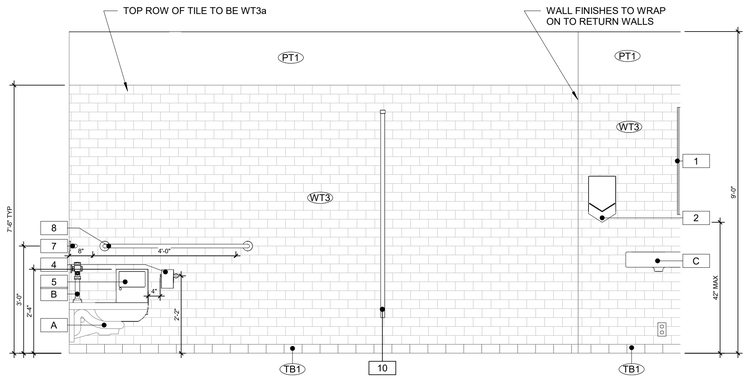
5 MEN'S WC ELEVATION D
SCALE: 1/2" = 1'-0"



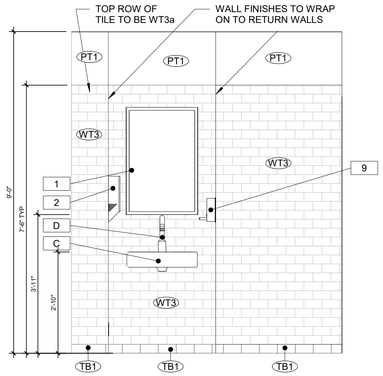
6 WOMEN'S WC ELEVATION A
SCALE: 1/2" = 1'-0"



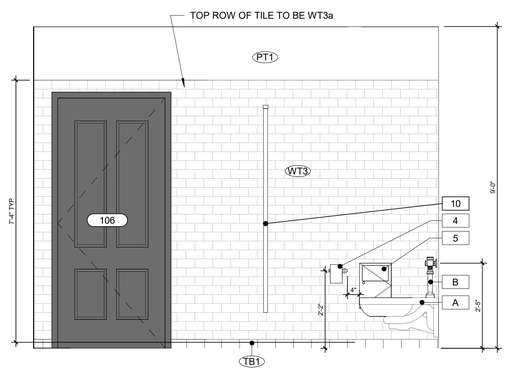
7 WOMEN'S WC ELEVATION B
SCALE: 1/2" = 1'-0"



8 WOMEN'S WC ELEVATION C
SCALE: 1/2" = 1'-0"



9 WOMEN'S WC ELEVATION D
SCALE: 1/2" = 1'-0"



10 WOMEN'S WC ELEVATION E
SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'
0 2' 4'

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE,
ARLINGTON, MA 02476

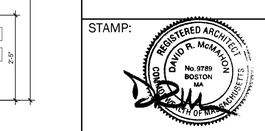
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CHECKED BY: AV
JOB NO: 2022-3904

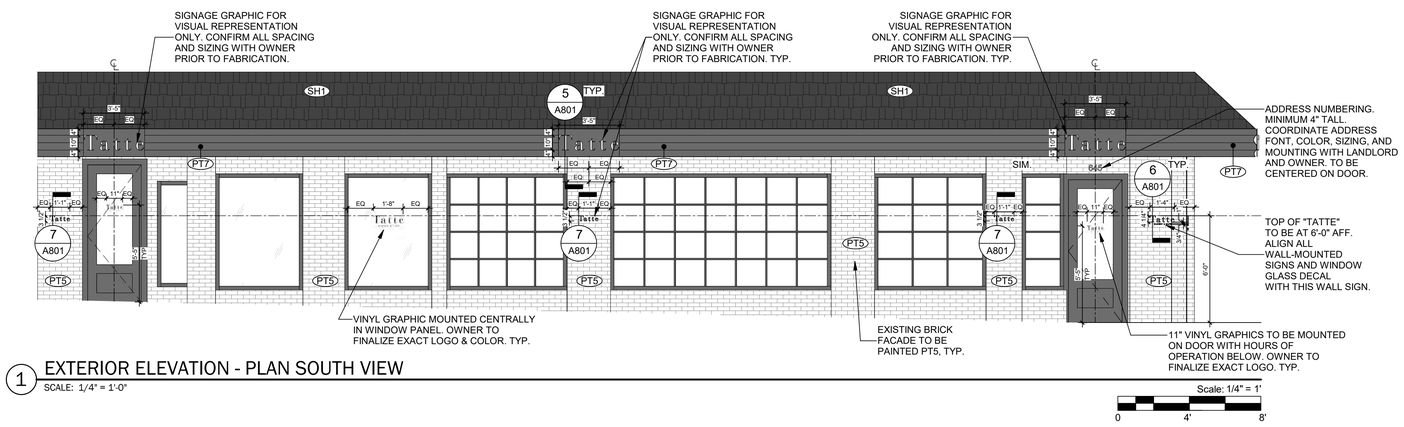
SHEET TITLE:

INTERIOR ELEVATIONS- RESTROOM

STAMP:

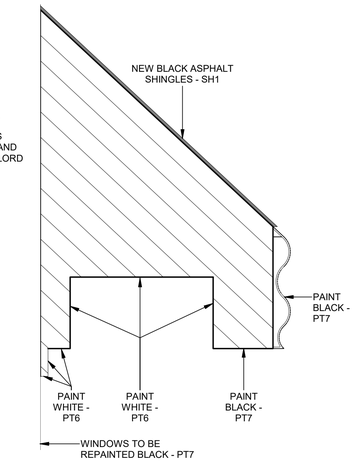


A702



1 EXTERIOR ELEVATION - PLAN SOUTH VIEW

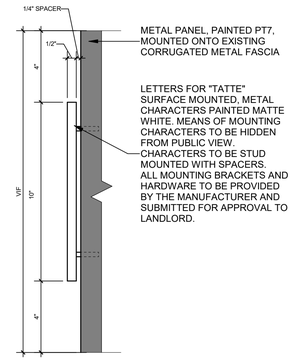
SCALE: 1/4" = 1'-0"



4 AWNING SECTION DETAIL

SCALE: 1" = 1'-0"

Scale: 1" = 1'
0
1'
2'



5 MAIN AWNING SIGNAGE DETAIL

SCALE: 3" = 1'-0"

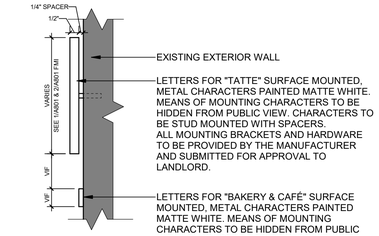
Scale: 3" = 1'
0
4"
1'



2 EXTERIOR ELEVATION - PLAN EAST VIEW

SCALE: 1/4" = 1'-0"

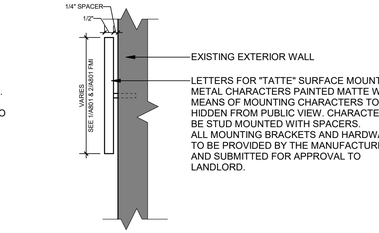
Scale: 1/4" = 1'
0
4'
8'



6 WALL MOUNTED SIGNAGE

SCALE: 3" = 1'-0"

Scale: 3" = 1'
0
4"
1'



7 SIGNAGE - NO "BAKERY & CAFE"

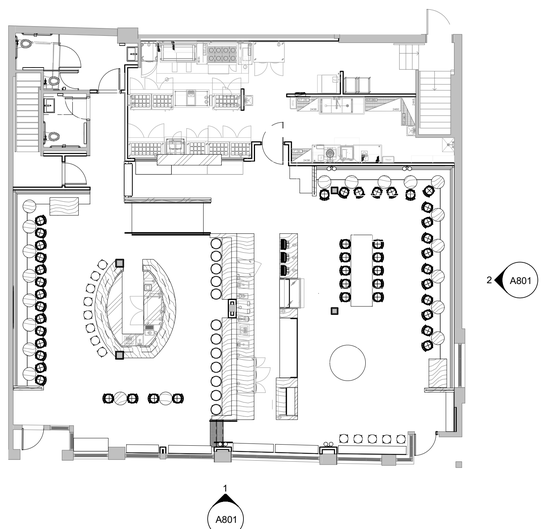
SCALE: 3" = 1'-0"

Scale: 3" = 1'
0
4"
1'



3 EXTERIOR 3D VIEW

SCALE:



8 KEY PLAN

SCALE: 1" = 10'-0"

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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ARLINGTON, MA 02476

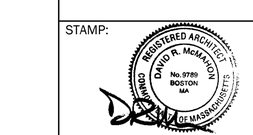
PROJECT INFORMATION:

SCALE:	As indicated
DRAWN BY:	KG
CHECKED BY:	AV
JOB NO:	2022-3904

SHEET TITLE:

EXTERIOR ELEVATIONS & DETAILS

STAMP:



A801



1 RENDERED EXTERIOR VIEW - CORNER
SCALE: 1" = 1'-0"



2 RENDERED EXTERIOR VIEW - FRONT
SCALE: 1" = 1'-0"

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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PROJECT INFORMATION:

SCALE: 1" = 1'-0"
DRAWN BY: KG
CHECKED BY: AV
JOB NO: 2022-3904

SHEET TITLE:

RENDERED EXTERIOR VIEWS

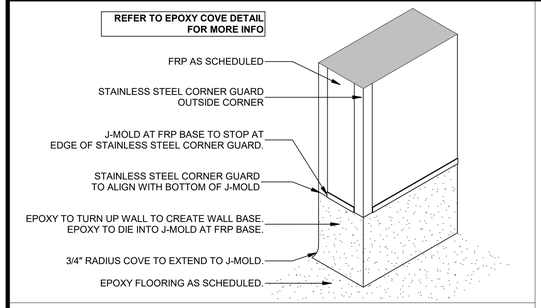
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ARCHITECT UNDER THE LAWS OF THE DISTRICT OF COLUMBIA.

LICENSE No: ARC100143
EXPIRATION DATE: 04/30/2020

STAMP:

DAVID R. McMAHON REGISTERED ARCHITECT No.9789 BOSTON MA COMMONWEALTH OF MASSACHUSETTS

A802

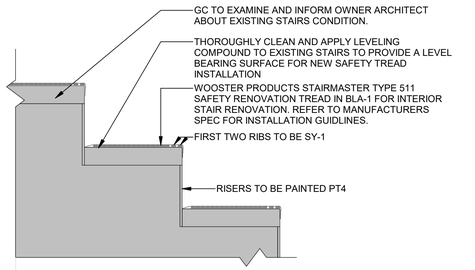


1 STAINLESS STEEL CORNER PROTECTION

SCALE: 1 1/2" = 1'-0"

Scale: 1 1/2" = 1'

0 1' 2'

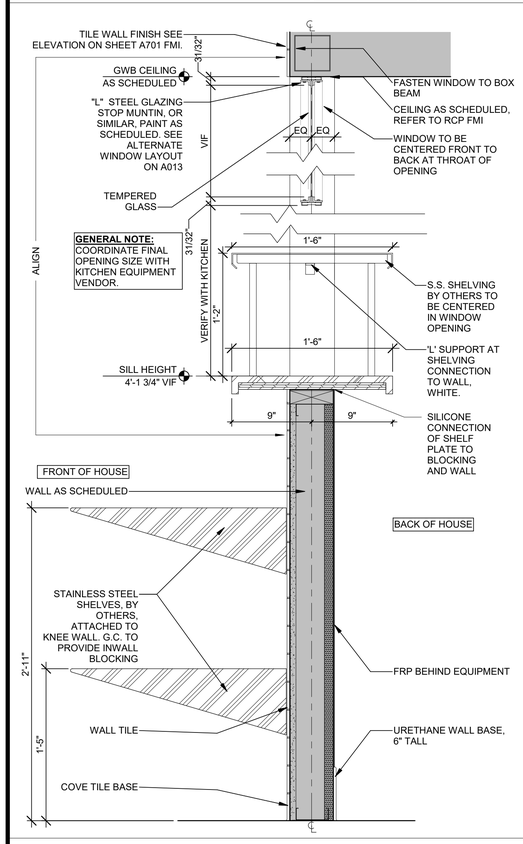


2 STAIRS TO BASEMENT - SAFETY TREADS DETAIL

SCALE: 1 1/2" = 1'-0"

Scale: 1 1/2" = 1'

0 1' 2'

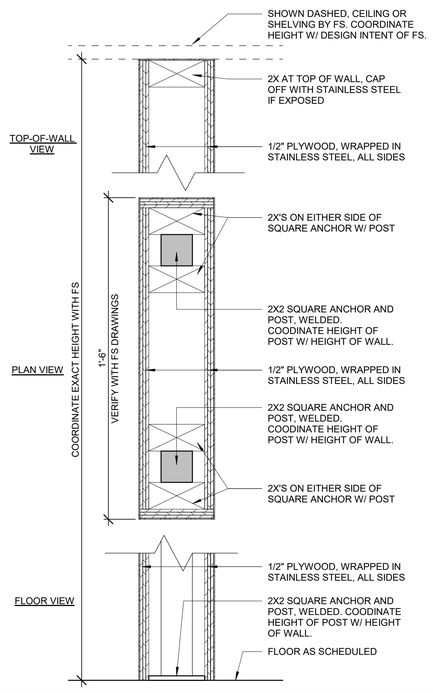


3 DETAIL @ STEEL WINDOW PASS- WITH WINDOW

SCALE: 1 1/2" = 1'-0"

Scale: 1 1/2" = 1'

0 1' 2'

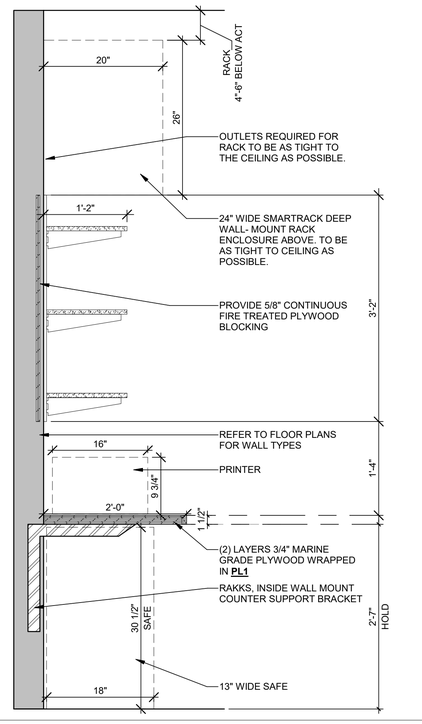


4 STAINLESS STEEL CHASE

SCALE: 3" = 1'-0"

Scale: 3" = 1'

0 4" 1'

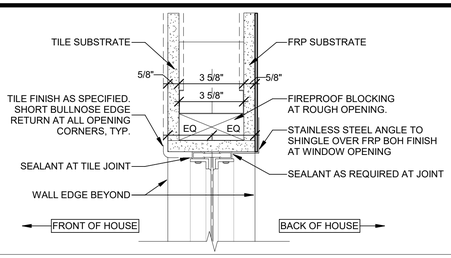


5 DETAIL @ OFFICE COUNTER & SHELF1

SCALE: 1" = 1'-0"

Scale: 3" = 1'

0 4" 1'

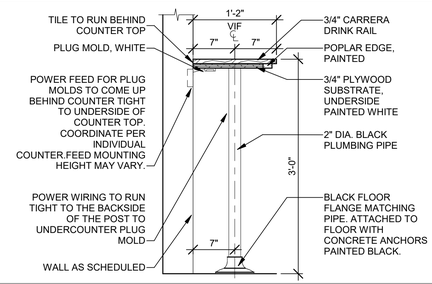


6 WALL FINISHING AT WINDOW PASS

SCALE: 3" = 1'-0"

Scale: 3" = 1'

0 4" 1'

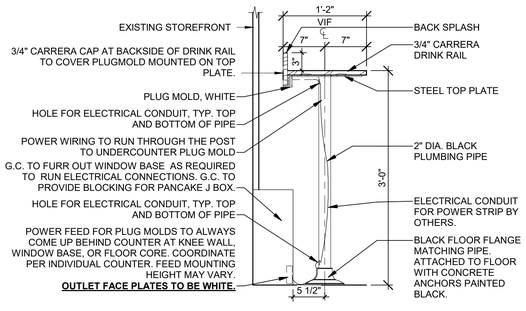


7 DRINK RAIL - FLOOR STANDING COUNTER HT AT WALL

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

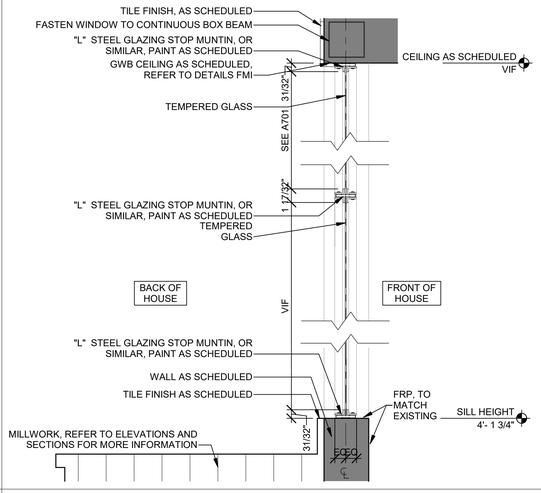


8 DRINK RAIL - FLOOR STANDING COUNTER HT

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



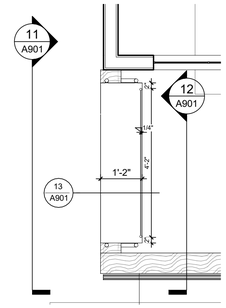
9 DETAIL @ STEEL WINDOW

SCALE: 1 1/2" = 1'-0"

Scale: 1" = 1'

0 1' 2'

TO-GO SHELVING DETAILS

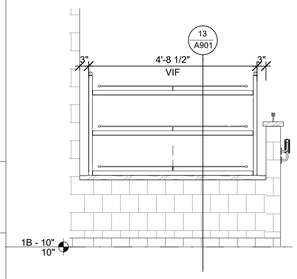


10 TO-GO SHELVING - ENLARGED PLAN

SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'

0 2' 4'

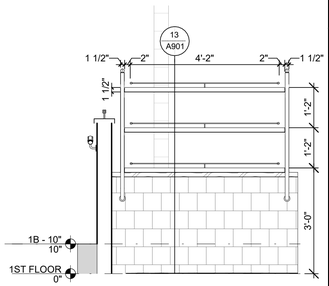


11 TO-GO SHELVING - FOH

SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'

0 2' 4'

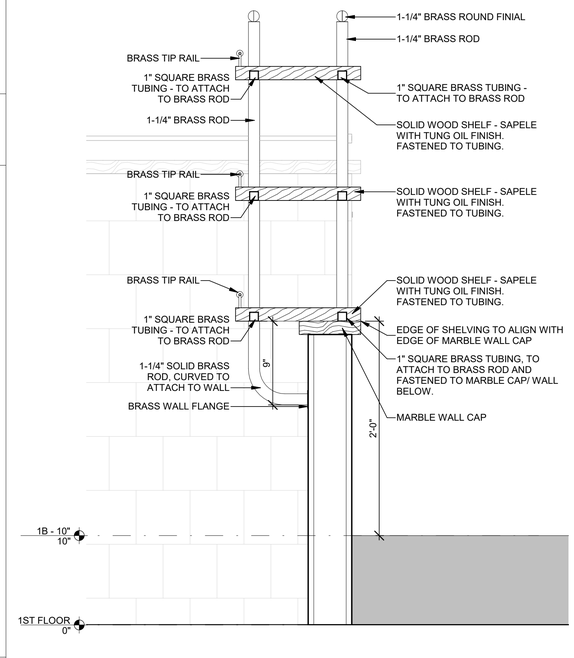


12 TO-GO SHELVING - BOH

SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'

0 2' 4'



13 TO-GO SHELVING - ENLARGED SECTION

SCALE: 1 1/2" = 1'-0"

Scale: 1 1/2" = 1'

0 1' 2'

NORTH ARROWS:



ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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JOB TITLE & ADDRESS:

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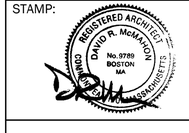
PROJECT INFORMATION:

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JOB NO: 2022-3904

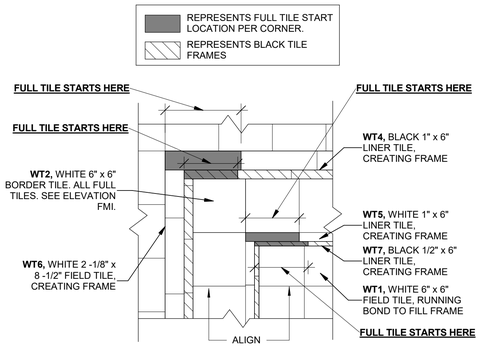
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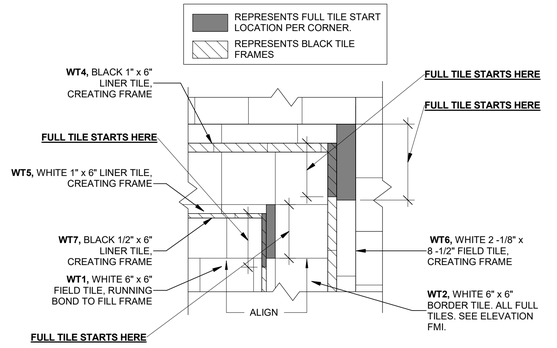
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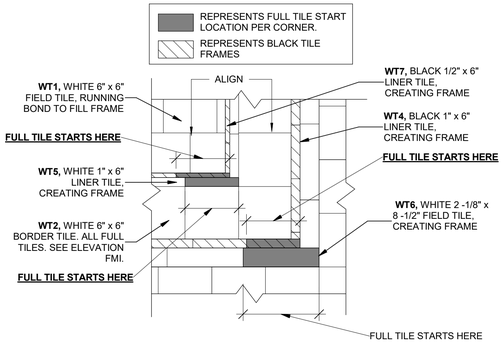
A901



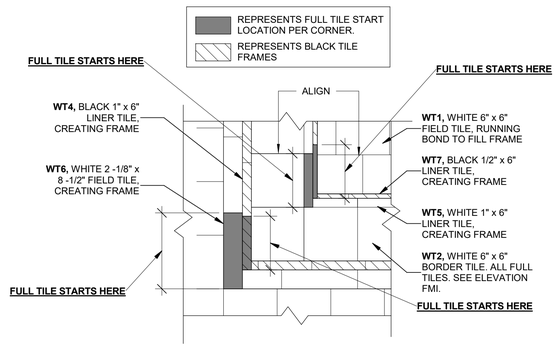
1 DETAIL @ UPPER LEFT CORNER, TYP
SCALE: 1 1/2" = 1'-0"
Scale: 1 1/2" = 1'
0 1' 2'



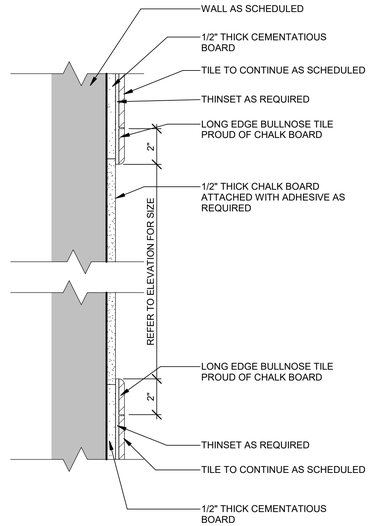
2 DETAIL @ UPPER RIGHT CORNER, TYP
SCALE: 1 1/2" = 1'-0"
Scale: 1 1/2" = 1'
0 1' 2'



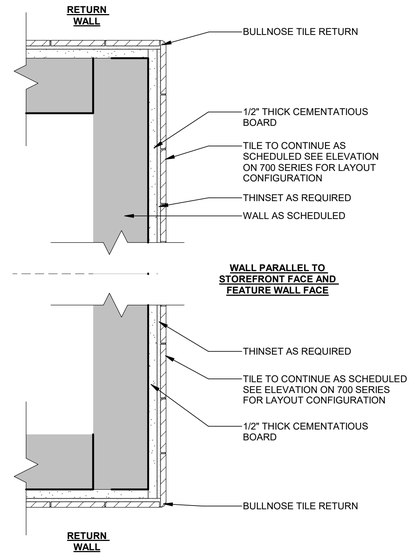
3 DETAIL @ LOWER RIGHT CORNER, TYP
SCALE: 1 1/2" = 1'-0"
Scale: 1 1/2" = 1'
0 1' 2'



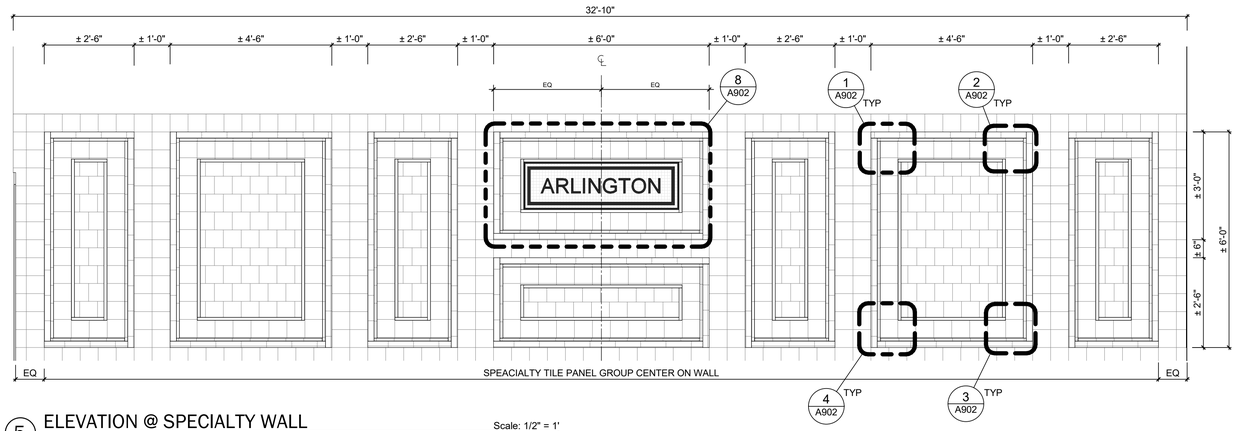
4 DETAIL @ LOWER LEFT CORNER, TYP
SCALE: 1 1/2" = 1'-0"
Scale: 1 1/2" = 1'
0 1' 2'



6 TILE FRAME AROUND CHALKBOARD
SCALE: 3" = 1'-0"
Scale: 3" = 1'
0 4" 1'

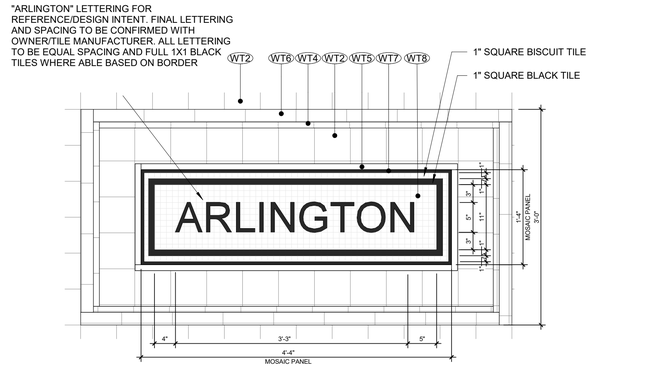


7 TILE BULLNOSE EDGE
SCALE: 3" = 1'-0"
Scale: 3" = 1'
0 4" 1'



5 ELEVATION @ SPECIALTY WALL
SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'

"ARLINGTON" LETTERING FOR REFERENCE/DESIGN INTENT. FINAL LETTERING AND SPACING TO BE CONFIRMED WITH OWNER/TILE MANUFACTURER. ALL LETTERING TO BE EQUAL SPACING AND FULL 1X1 BLACK TILES WHERE ABLE BASED ON BORDER



8 ENLARGED ELEVATION @ SPECIALTY TILE WALL
SCALE: 1" = 1'-0"
Scale: 1" = 1'
0 1' 2'

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

McMahon architects
535 ALBANY STREET
BOSTON, MA 02118
T 617.482.5353
www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE,
ARLINGTON, MA 02476

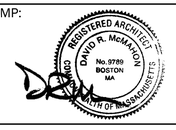
PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AT
CHECKED BY: AV
JOB NO: 2022-3904

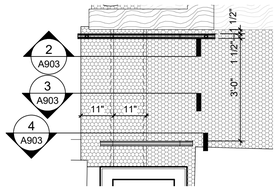
SHEET TITLE:

ARCHITECTURAL DETAILS-TILE

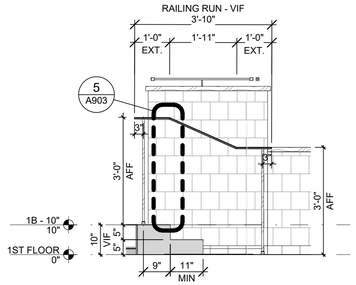
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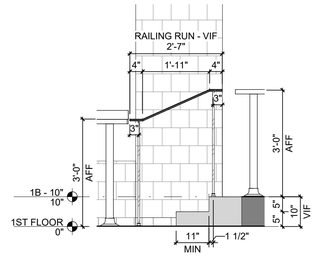
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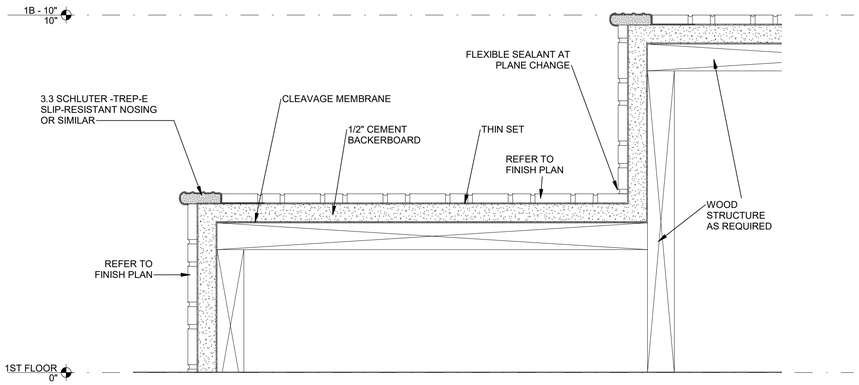
1 FOH STAIR - ENLARGED PLAN
SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'



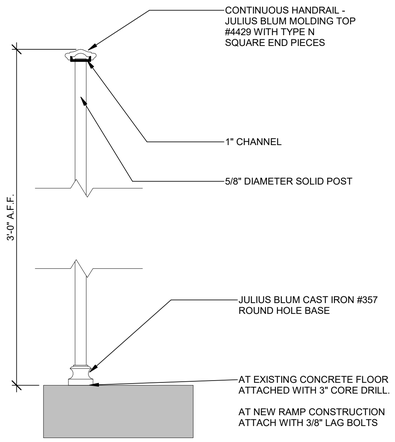
2 FOH STAIR - SECTION A
SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'



3 FOH STAIR - SECTION B
SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'



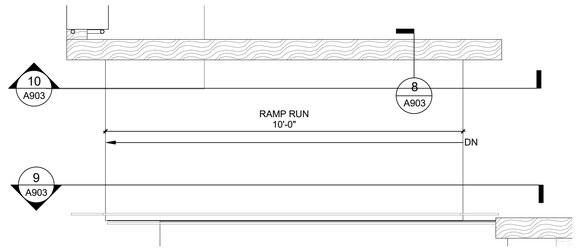
4 SLIP RESISTANT TREAD DETAIL
SCALE: 6" = 1'-0"
Scale: 6" = 1'
0 0.25' 0.5'



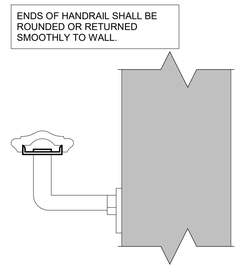
5 ENLARGED SECTION @ HANDRAIL
SCALE: 3" = 1'-0"
Scale: 3" = 1'
0 4" 1'



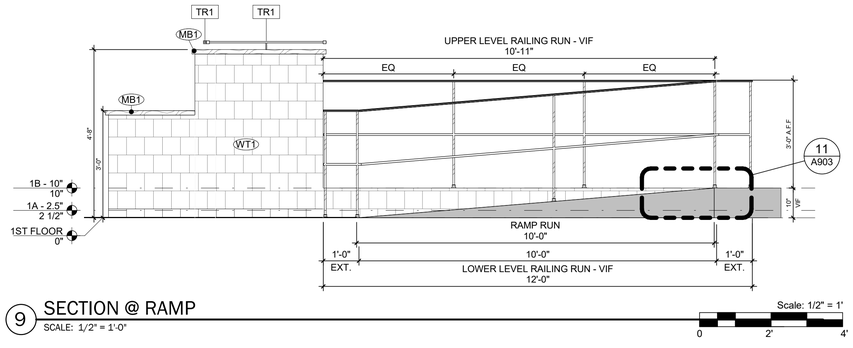
6 HANDRAIL INSPIRATION
SCALE: NTS



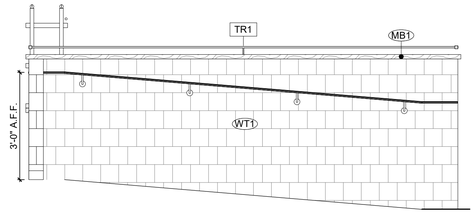
7 FOH RAMP - ENLARGED PLAN
SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'



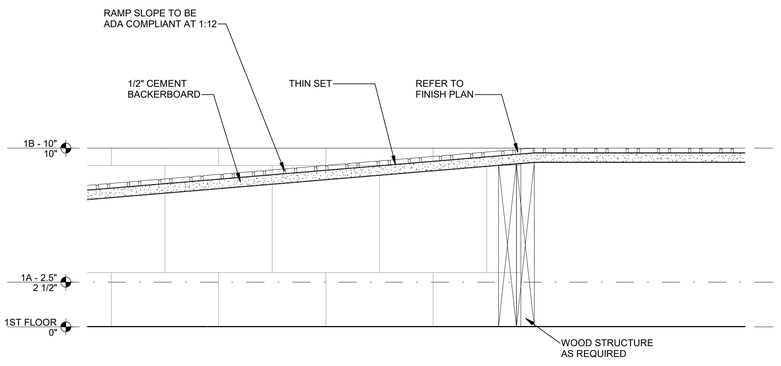
8 WALL MOUNTED HANDRAIL DETAIL
SCALE: 6" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'



9 SECTION @ RAMP
SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'

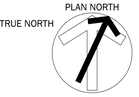


10 SECTION @ RAMP 2
SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'



11 ENLARGED SECTION @ RAMP
SCALE: 3" = 1'-0"
Scale: 3" = 1'
0 4" 1'

NORTH ARROWS:



ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

McMahon architects
535 ALBANY STREET
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JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AT/KG
CHECKED BY: AV
JOB NO: 2022-3904

SHEET TITLE:

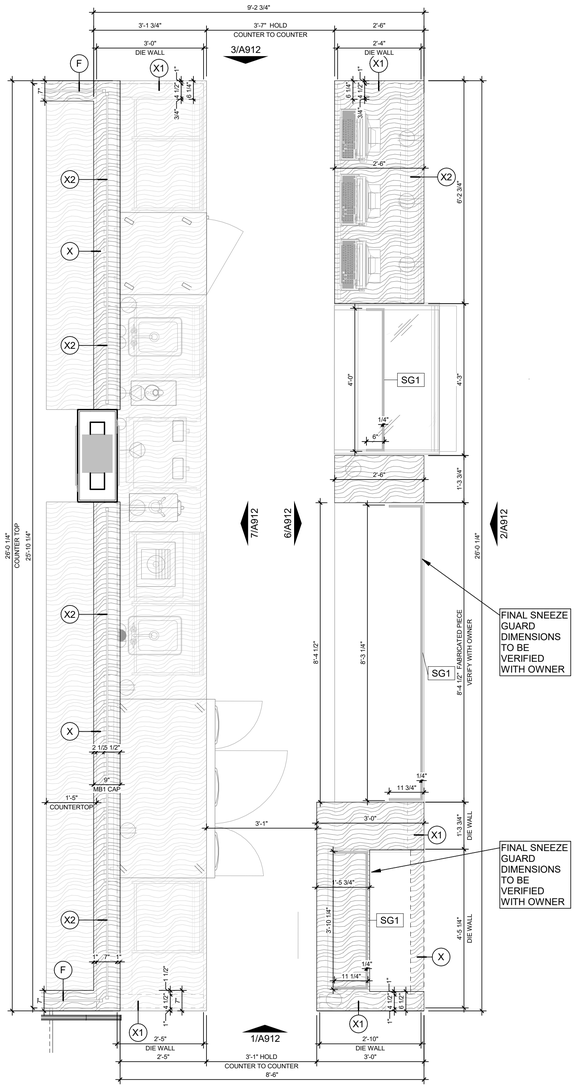
ARCHITECTURAL DETAILS - STAIRS & RAMPS

STAMP:

REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA
COMMONWEALTH OF MASSACHUSETTS

A903

GENERAL NOTE: REFERENCE MILLLWORK SHOP DRAWINGS FOR INSTALLATION DETAILS

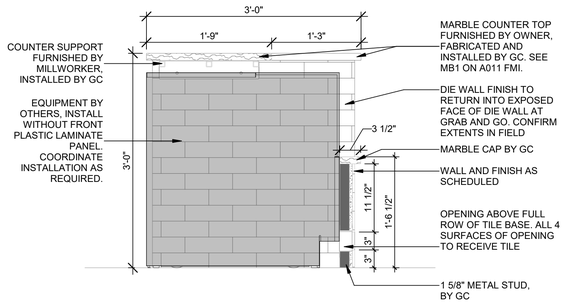


1 ENLARGED PLAN - MAIN COUNTER

SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'

0 2' 4'

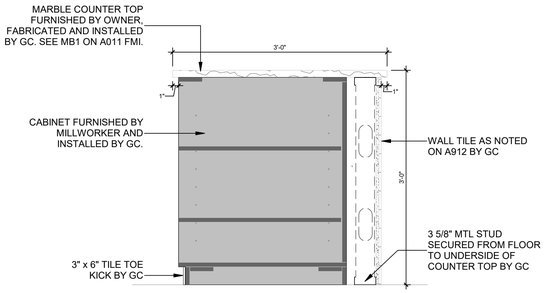


2 DETAIL @ GRAB N' GO MILLWORK SURROUND WITH VENT

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

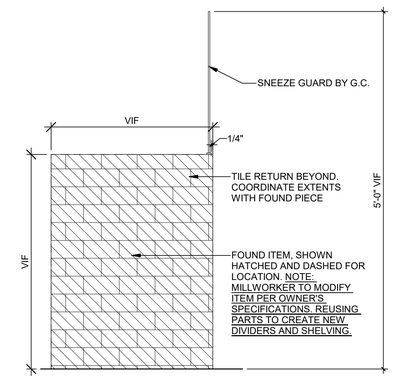


3 DETAIL @ FRONT COUNTER WITH SHELVING

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

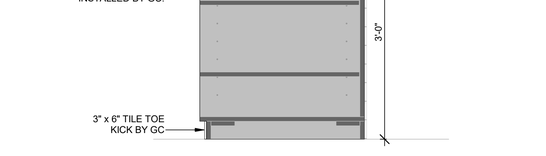


4 DETAIL @ FOUND ITEM PASTRY DISPLAY- TO BE VERIFIED ONCE ITEM IS FOUND

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

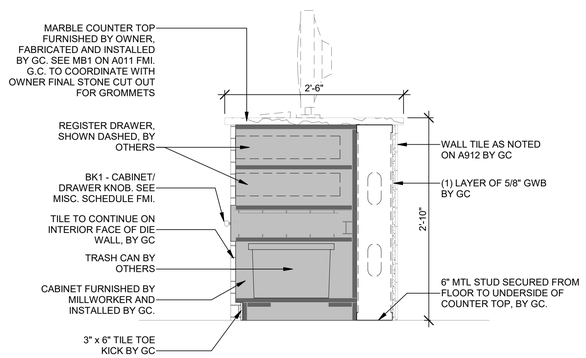


5 DETAIL @ FRONT COUNTER WITH SHELVING - NO DIE WALL

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

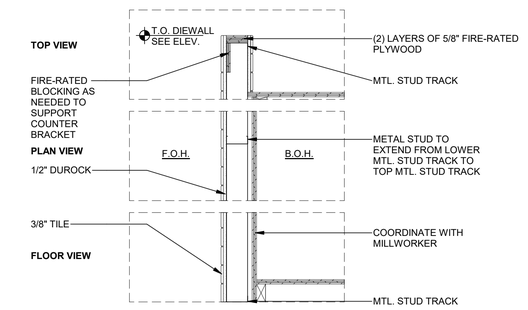


6 DETAIL @ POS MILLWORK, TWO CASH DRAWERS, MTL FRAME

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



PARTITION TYPE	STUD SIZE	STUD GAUGE	STUD SPACING	SHEATHING	HOURLY RATING	STC	REMARKS
X	1 5/8"	SEE MFR. SPAN CHARTS	16" O.C. MAX	1/2" DUROCK	-	-	NO BATT. INSULATION
X1	3 5/8"				-	-	NO BATT. INSULATION
X2	6"				-	-	NO BATT. INSULATION

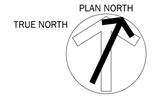
8 WALL TYPE "X" SERIES Copy 1

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

NORTH ARROWS:



ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

McMahon architects
535 ALBANY STREET
BOSTON, MA 02118
T 617.482.5353
www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: KG
CHECKED BY: AV
JOB NO: 2022-3904

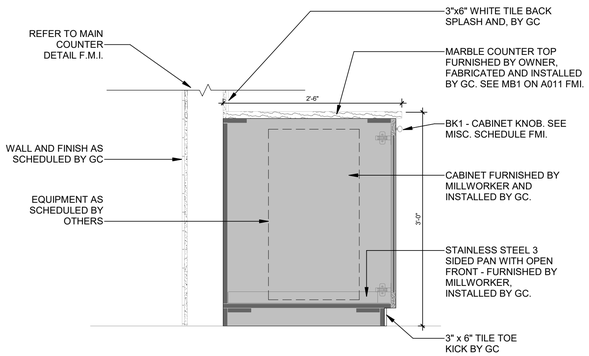
SHEET TITLE:

MILLWORK DETAILS- MAIN COUNTER

STAMP:

REGISTERED ARCHITECT DAVID R. McMAHON No. 9789 BOSTON MA COMMONWEALTH OF MASSACHUSETTS

A910

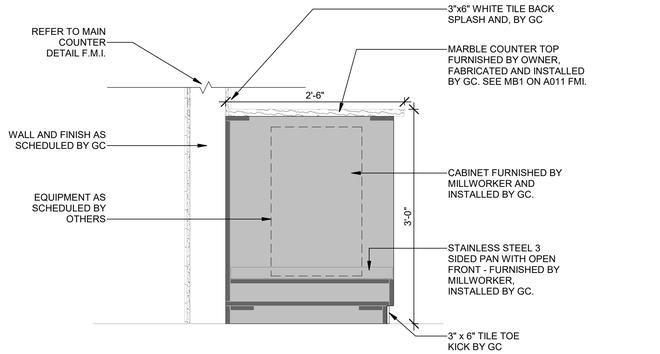


1 DETAIL @ BACK COUNTER WITH GRINDER COUNTER BASED

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

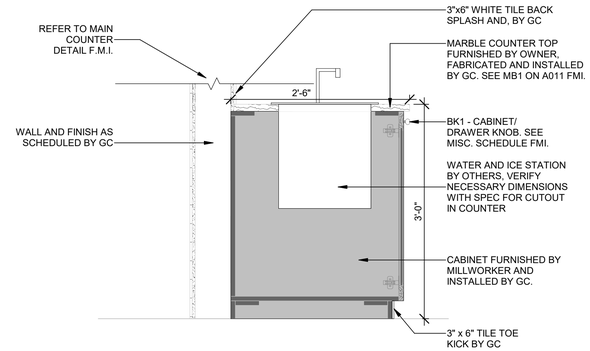


2 DETAIL @ BACK COUNTER WITH BREWER COUNTER BASED

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

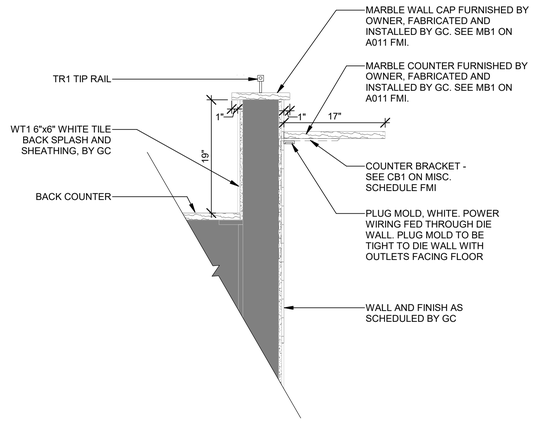


3 DETAIL @ BACK COUNTER CABINET W/ WATER & ICE BIN

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

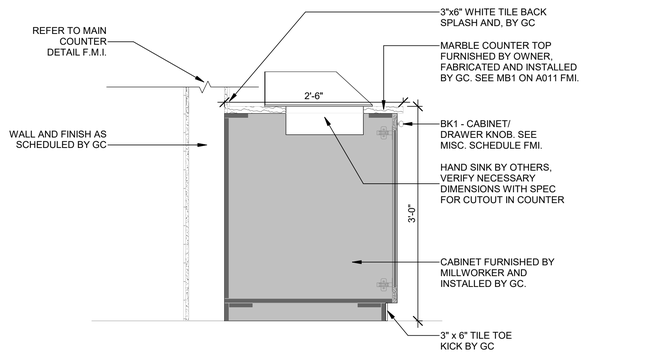


4 DETAIL @ MAIN COUNTER

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

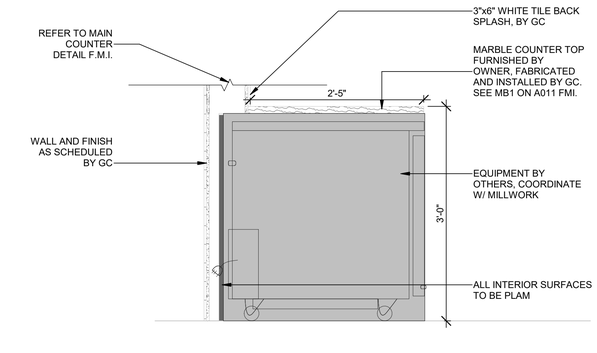


5 DETAIL @ BACK COUNTER CABINET & HAND SINK

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

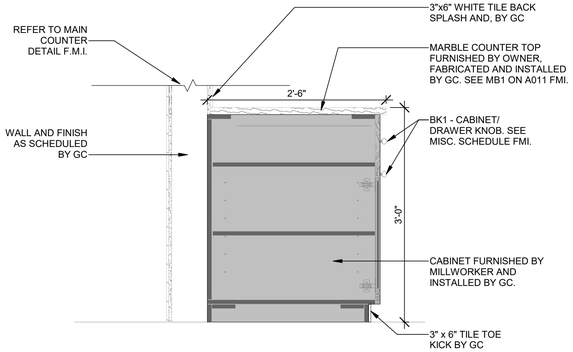


6 DETAIL @ BACK COUNTER EQUIPMENT

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

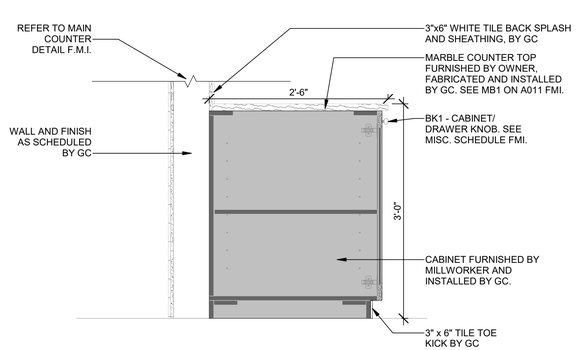


7 DETAIL @ BACK COUNTER CABINET WITH ADJUSTABLE SHELVING AND DRAWER

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'



8 DETAIL @ BACK COUNTER CABINET WITH ADJUSTABLE SHELVING

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

Scale: 1" = 1'

0 1' 2'

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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535 ALBANY STREET
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JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: 1" = 1'-0"
DRAWN BY: KG
CHECKED BY: AV
JOB NO: 2022-3904

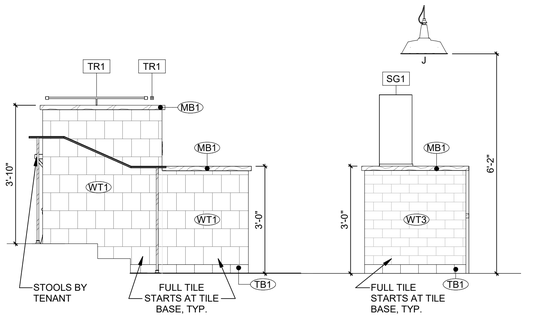
SHEET TITLE:

MILLWORK DETAILS- MAIN COUNTER

STAMP:

REGISTERED ARCHITECT DAVID R. McMAHON No. 9789 BOSTON MA COMMONWEALTH OF MASSACHUSETTS

A911

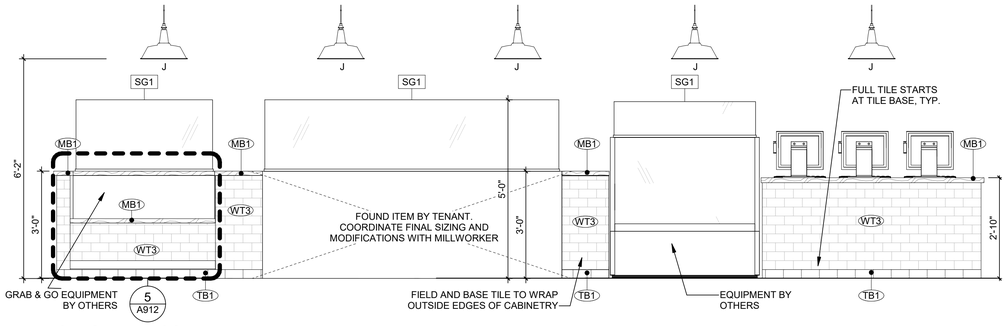


1 ELEVATION @ MAIN COUNTER A

SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'

0 2' 4'

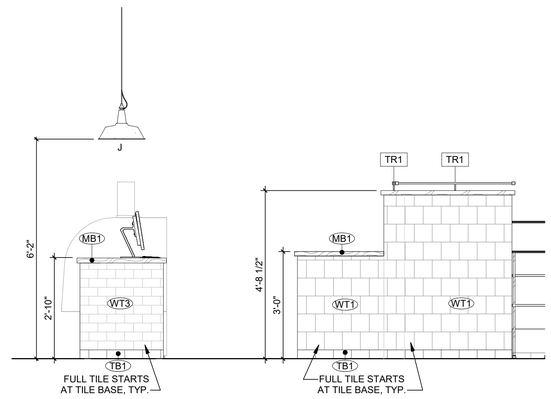


2 ELEVATION @ MAIN COUNTER B

SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'

0 2' 4'

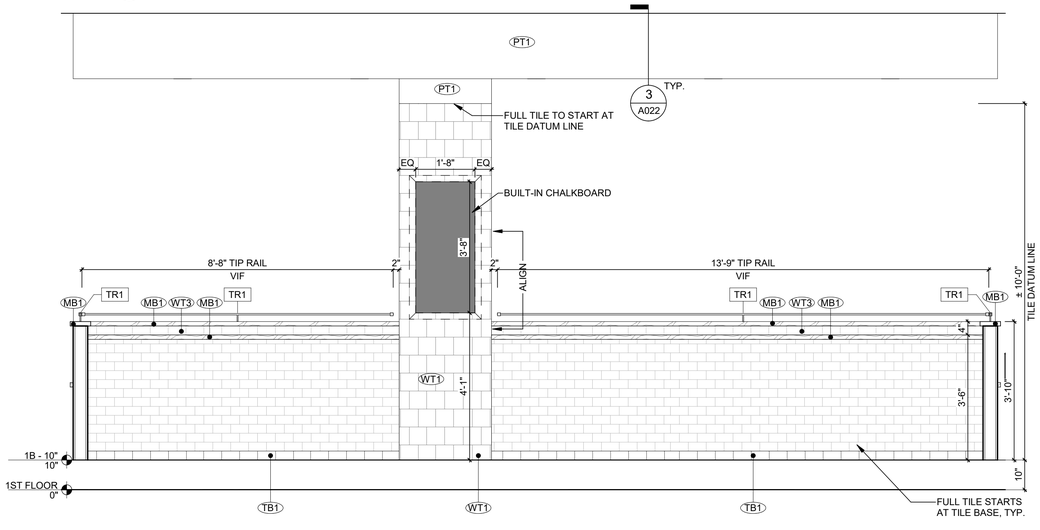


3 ELEVATION @ MAIN COUNTER C

SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'

0 2' 4'

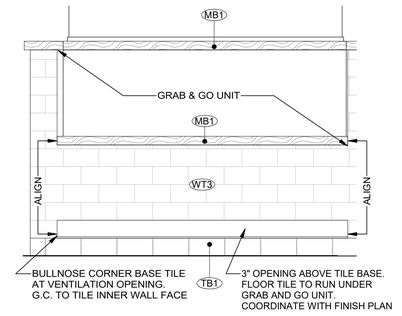


4 ELEVATION @ MAIN COUNTER D

SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'

0 2' 4'

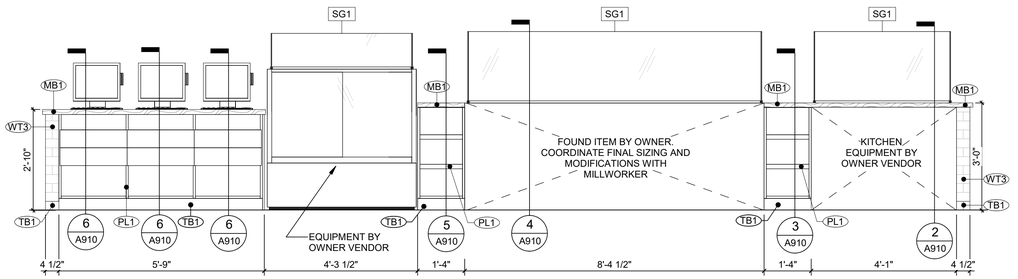


5 ENLARGED ELEVATION @ GRAB & GO

SCALE: 1" = 1'-0"

Scale: 1" = 1'

0 1' 2'

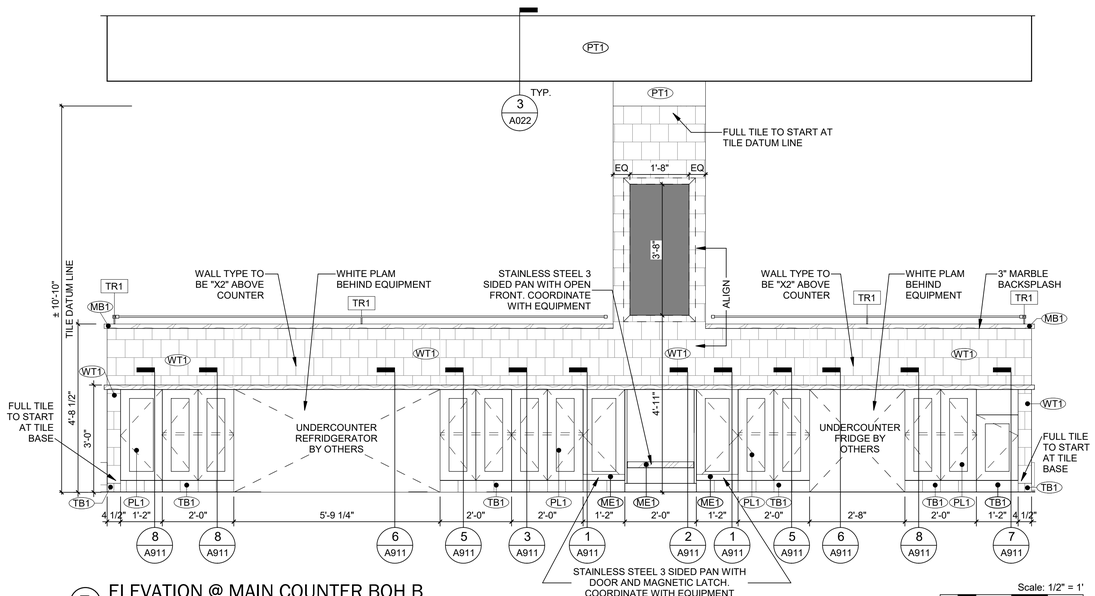


6 ELEVATION @ MAIN COUNTER BOH A

SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'

0 2' 4'



7 ELEVATION @ MAIN COUNTER BOH B

SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'

0 2' 4'

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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535 ALBANY STREET
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T 617.482.5353
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JOB TITLE & ADDRESS:

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645 MASSACHUSETTS AVE,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: KG
CHECKED BY: AV
JOB NO: 2022-3904

SHEET TITLE:

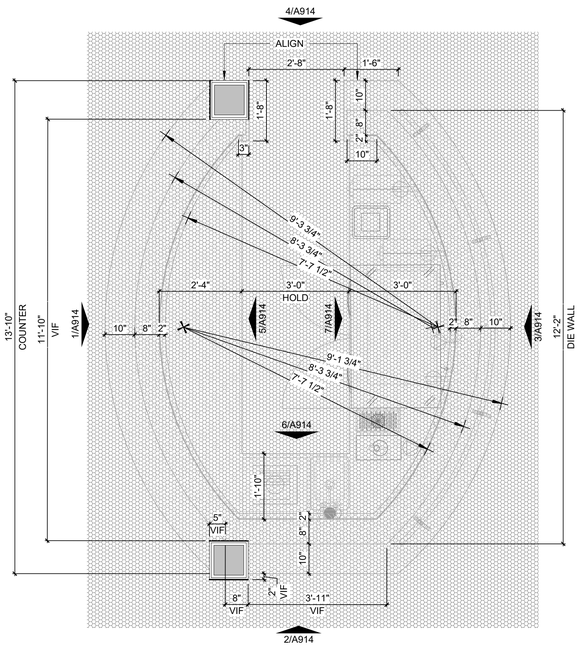
MILLWORK DETAILS- MAIN COUNTER

STAMP:

REGISTERED ARCHITECT DAVID R. McMAHON No. 9789 BOSTON MA COMMONWEALTH OF MASSACHUSETTS

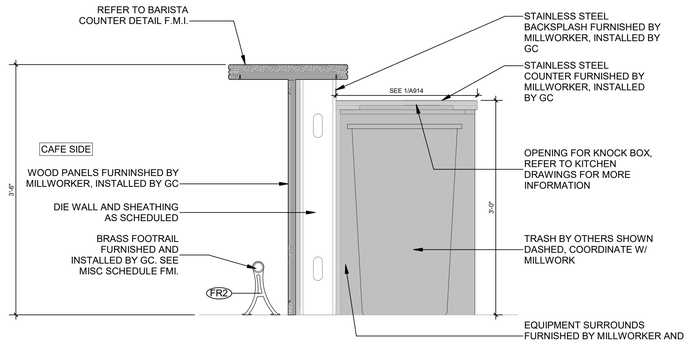
A912

GENERAL NOTE: REFERENCE MILLWORK SHOP DRAWINGS FOR INSTALLATION DETAILS



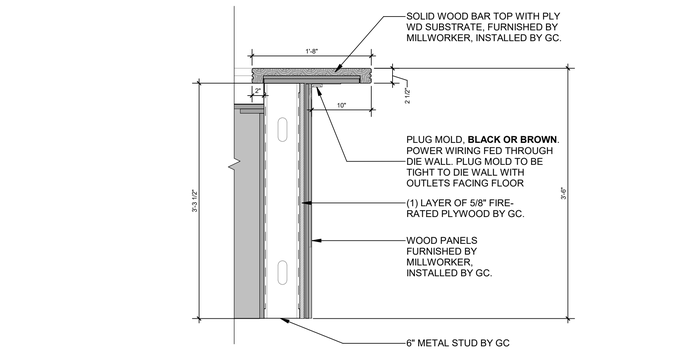
1 ENLARGED PLAN - BARISTA
SCALE: 1/2" = 1'-0"

Scale: 1/2" = 1'
0 2' 4'



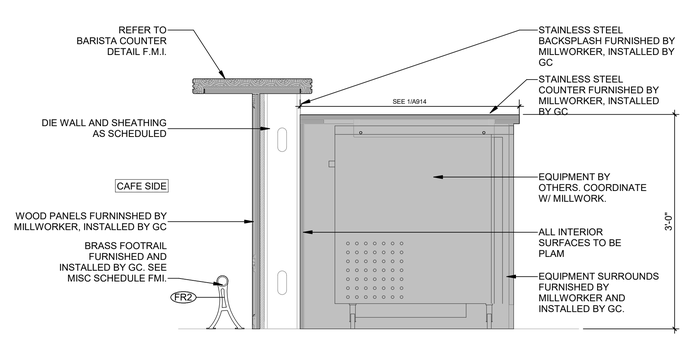
2 DETAIL @ BARISTA BAR WITH TRASH
SCALE: 1" = 1'-0"

Scale: 1" = 1'
0 1' 2'



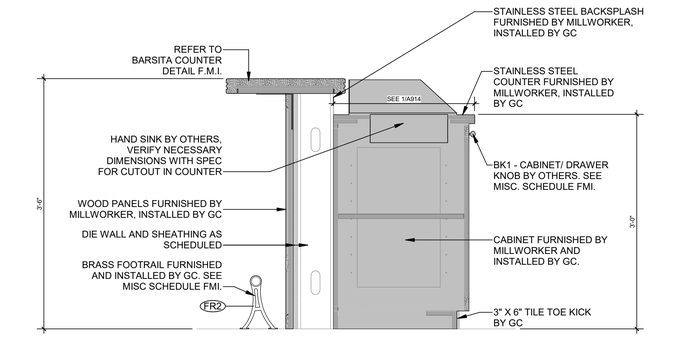
3 DETAIL @ BARISTA COUNTER AND DIE WALL
SCALE: 1" = 1'-0"

Scale: 1" = 1'
0 1' 2'



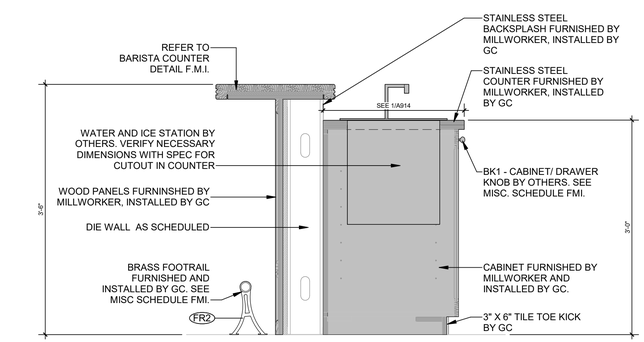
4 DETAIL @ BARISTA BAR WITH EQUIPMENT
SCALE: 1" = 1'-0"

Scale: 1" = 1'
0 1' 2'



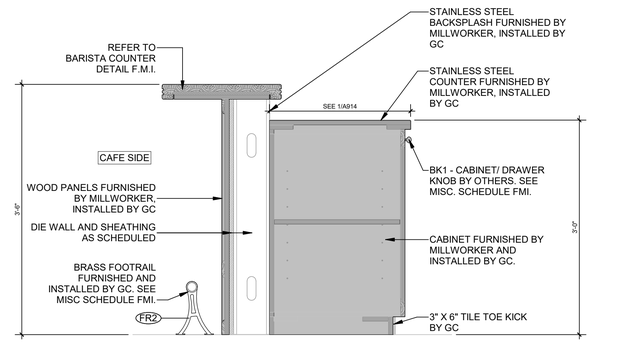
5 DETAIL @ BARISTA COUNTER CABINET & HAND SINK
SCALE: 1" = 1'-0"

Scale: 1" = 1'
0 1' 2'



6 DETAIL @ BARISTA COUNTER W/ WATER & ICE BIN
SCALE: 1" = 1'-0"

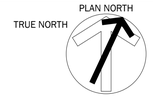
Scale: 1" = 1'
0 1' 2'



7 DETAIL @ BARISTA COUNTER CABINET
SCALE: 1" = 1'-0"

Scale: 1" = 1'
0 1' 2'

NORTH ARROWS:



ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE,
ARLINGTON, MA 02476

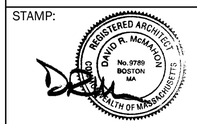
PROJECT INFORMATION:

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DRAWN BY: KG
CHECKED BY: AV
JOB NO: 2022-3904

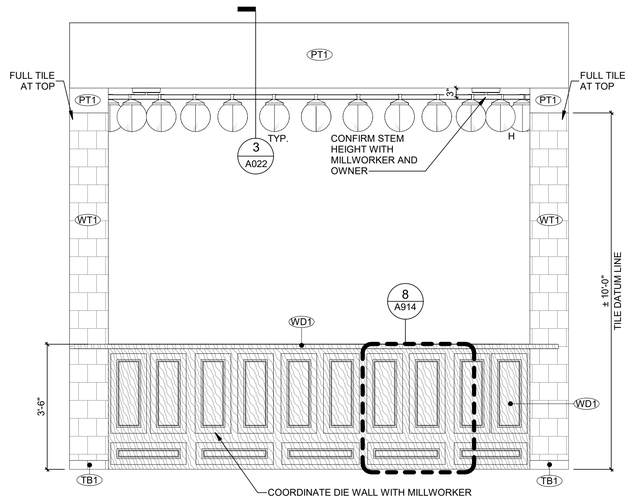
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MILLWORK DETAILS- BARISTA

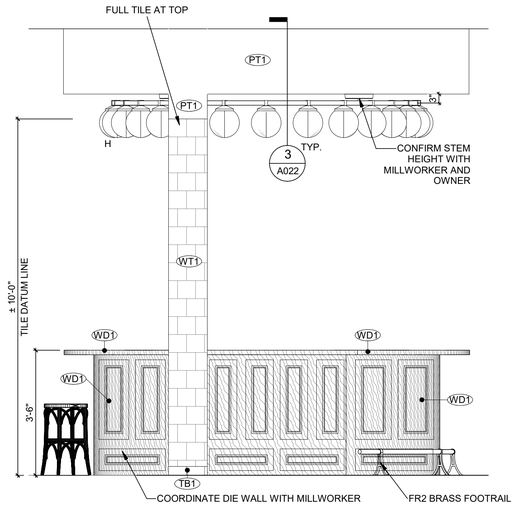
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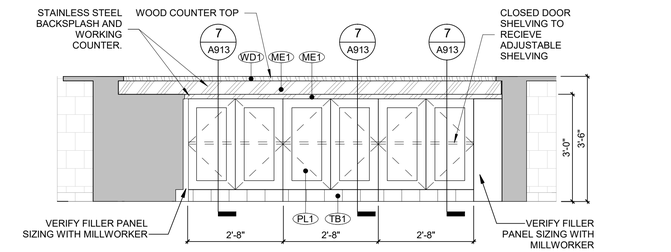
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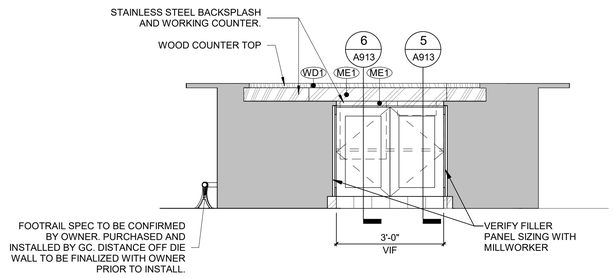
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SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'



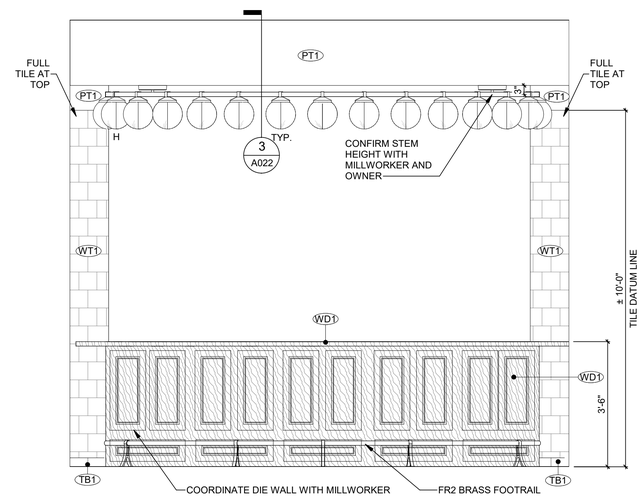
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SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'



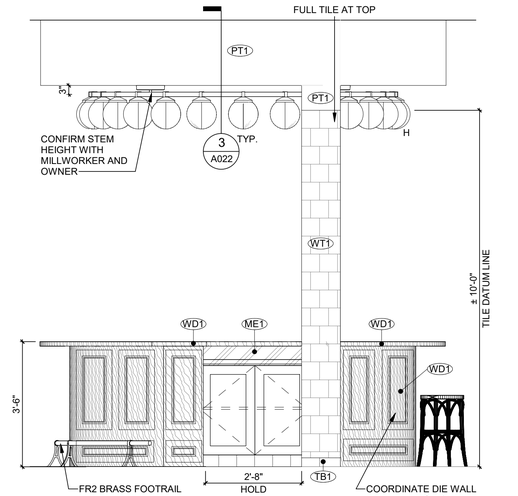
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SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'



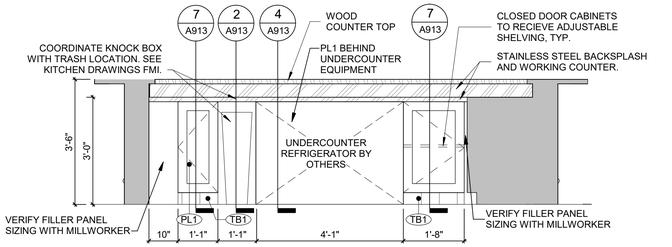
6 ELEVATION @ BARISTA BOH B
SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'



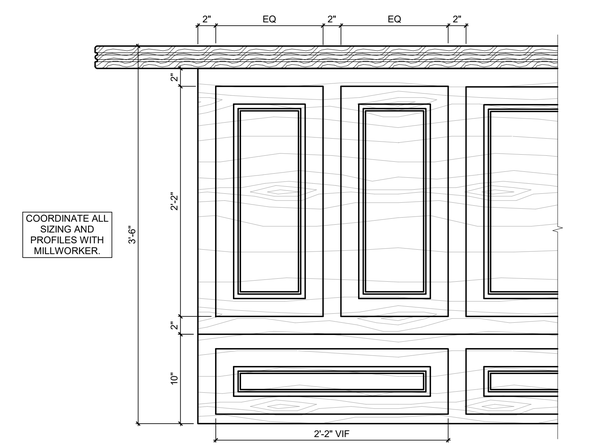
3 ELEVATION @ BARISTA C
SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'



4 ELEVATION @ BARISTA D
SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'



7 ELEVATION @ BARISTA BOH C
SCALE: 1/2" = 1'-0"
Scale: 1/2" = 1'
0 2' 4'



8 WOOD PANEL DETAIL
SCALE: 1 1/2" = 1'-0"
Scale: 1 1/2" = 1'
0 1' 2'

NORTH ARROWS:

ISSUE	DESCRIPTION	DATE
1	SPECIAL PERMIT SET	2022-10-13

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SCALE: As indicated
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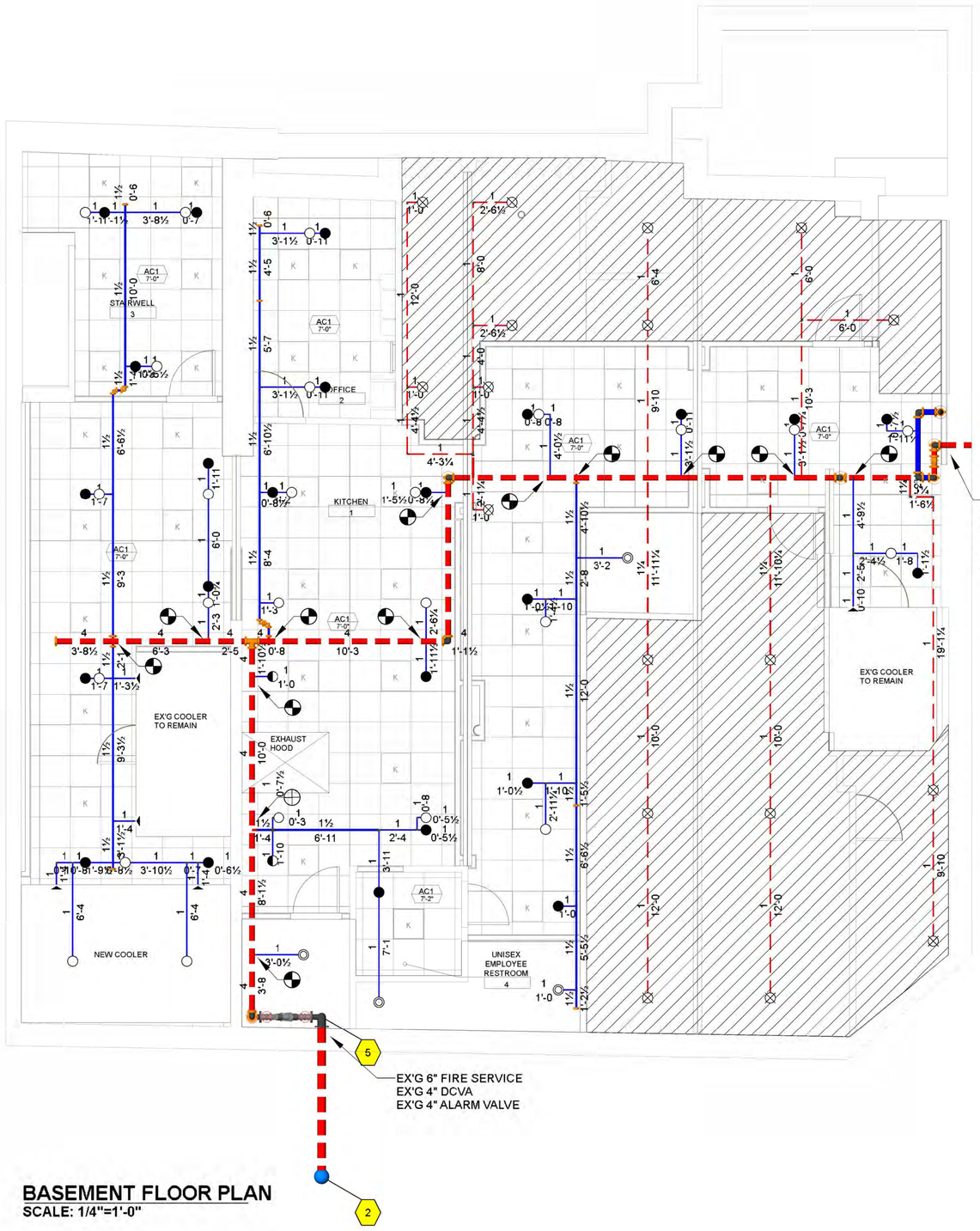
SHEET TITLE:

MILLWORK DETAILS- BARISTA

STAMP:

COMMONWEALTH OF MASSACHUSETTS
REGISTERED ARCHITECT
DAVID R. McMAHON
No. 9789
BOSTON
MA

A914



BASEMENT FLOOR PLAN
SCALE: 1/4"=1'-0"

DESIGN NARRATIVE

THIS TIER 1 FIRE PROTECTION PLAN IS FOR PROPOSED RENOVATIONS TO THE EXISTING TENANT SPACE WET AUTOMATIC SPRINKLER SYSTEM LOCATED ON THE GROUND AND BASEMENT LEVELS AN EXISTING COMMERCIAL BUILDING AT 645 MASS AVE. ARLINGTON MA. THE BUILDING IS EXISTING ORDINARY TYPE 3 COMBUSTIBLE CONSTRUCTION. THE PROJECT SCOPE IS LIMITED TO MODIFICATION OF SPRINKLERS WITHIN THE WORK AREA. PORTIONS OF THE BUILDING OUTSIDE THE SCOPE OF WORK ARE FULLY SPRINKLERED PER NFPA 13 AND ARE EXISTING TO REMAIN.

CONCEALED COMBUSTIBLE SPACES

ALL CONCEALED COMBUSTIBLE SPACES SHALL BE PROTECTED IN ACCORDANCE WITH NFPA13-2013

DESIGN METHODOLOGY

1. TENANT DESIGN IS PER NFPA-13 2013 11.2.3.2 AREA/DENSITY METHOD FOR AN ORDINARY HAZARD GROUP 1 OCCUPANCY APPLIED TO A 970.06ft² REMOTE AREA. THE SYSTEM IS DESIGNED TO DISCHARGE A MINIMUM OF .15 GPM TO THE DESIGN AREA SPRINKLERS.

THIS SYSTEM IS SUPPLIED BY WET CROSS MAINS AND BRANCH-LINES FED FROM THE EXISTING FIRE SERVICE VALVES LOCATED IN THE BUILDINGS BASEMENT AND CITY WATER SUPPLY

THE SPRINKLER SYSTEM IS SUPPLEMENTED BY AN EXISTING SIAMESE TYPE FIRE DEPARTMENT CONNECTION LOCATED AT THE SIDE OF THE BUILDING

THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR PROVIDING A DETAILED IMPAIRMENT PLAN APPROVED BY THE ARLINGTON FIRE DEPARTMENT

THE CONTRACTOR FOR THE FIRE PROTECTION WORK SHALL BE A RECOGNIZED, QUALIFIED AND LICENSED FIRE PROTECTION CONTRACTOR, PRIMARILY ENGAGED IN THE PROTECTION SYSTEMS AND IS RESPONSIBLE FOR SUBMITTING A COMPLETE TIER II DRAWING PACKAGE FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION IN ACCORDANCE WITH THE MASSACHUSETTS STATE BUILDING CODE. THE FIRE PROTECTION WORKING DRAWINGS INCLUDING HYDRAULIC CALCULATIONS (BASED ON RECENT FLOW TEST DATA) & MATERIAL SUBMITTALS SHALL BE SUBMITTED TO THE OWNER'S ENGINEER OF RECORD AND LOCAL AUTHORITIES FOR REVIEW, APPROVALS AND PERMITS.

THIS DRAWING IS FOR REFERENCES PURPOSE ONLY. THE FIRE SPRINKLER CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL DESIGN OF THE SPRINKLER SYSTEM AND ITS CONFORMANCE TO NFPA 13 2013 EDITION AND ANY LOCAL CODE REQUIREMENTS. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL NEEDED OFFSETS, CHANGES IN DIRECTION, TRANSITIONS, ETC. NEEDED FOR COMPLETE AND OPERATIONAL SYSTEMS.

THE CONTRACTOR WILL VISIT THE SITE AND BE FAMILIAR WITH SITE CONDITIONS. NO EQUIPMENT OR MATERIAL ARE TO BE ORDERED OR FABRICATED PRIOR TO FIELD VERIFICATION OF ALL MEASUREMENTS, CLEARANCES, POTENTIAL CONFLICTS WITH EXISTING CONDITIONS OR THAT OF OTHER TRADES ON THE JOB.

PERFORM ALL WORK IN ACCORDANCE WITH THE, RULES & REGULATIONS OF THE APPROPRIATE STATE AND LOCAL BUILDING CODES AND SUBTITLES.

QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO THE ENGINEER PRIOR TO THE AWARDING OF THE CONTRACT. OTHERWISE THE ENGINEER'S INTERPRETATION OF THE MEANING AND INTENT OF THE DRAWINGS SHALL BE FINAL.

SPRINKLER CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS FOR CEILING TYPES, HEIGHTS, COLOR, ELEVATIONS, SOFFITS, DISPLAY WINDOWS, RACKING (TYPES, HEIGHTS, ETC...), ETC.

ALL NEW LIGHTING, STORAGE & CASEWORK TO BE MINIMUM 18" BELOW EXISTING SPRINKLERS

GENERAL NOTES

1. THE SOLE PURPOSE OF THESE DRAWINGS ARE TO DEFINE THE SCOPE OF WORK. THE DRAWINGS DEPICT WORK REQUIRED AS PART OF CURRENT RENOVATIONS. THE DRAWINGS ALSO SHOW SYSTEM UPGRADES TO MEET REQUIREMENTS OF NFPA PAMPHLET 13, THE INSTALLING CONTRACTOR SHALL VISIT THE SITE AND PRODUCE THEIR OWN DESIGN DRAWINGS FOR SUBMITTAL.

2. NOTHING SHALL ALLEVIATE RESPONSIBILITY OF THE INSTALLING CONTRACTOR FROM DESIGNING AND INSTALLING THE SYSTEM PER ALL APPLICABLE CODES. ANY OMISSIONS/ERRORS WITHIN THESE BID DOCUMENTS SHALL STILL BE THE RESPONSIBILITY OF THE INSTALLING CONTRACTOR, AS IT IS ONLY THE INTENT OF THESE DOCUMENTS TO BE CONCEPTUAL IN NATURE.

3. SPRINKLER CONTRACTOR SHALL PROVIDE A COMPLETE SET OF SHOP DRAWINGS AND HYDRAULIC CALCULATIONS, STAMPED AND SIGNED BY A STATE LICENSED FIRE PROTECTION PROFESSIONAL ENGINEER. THESE SHOULD BE SUBMITTED TO THE OWNERS REPRESENTATIVE PRIOR TO OBTAINING PERMIT.

4. SPRINKLER CONTRACTOR SHALL BASE TIER 2 HYDRAULIC CALCULATIONS ON ACTUAL PIPING ARRANGEMENT AND MOST RECENT HYDRANT FLOW TEST

GENERAL NOTES:

THIS PLAN DEPICTS WORK TO THE EXISTING SPRINKLER SYSTEM BASEMENT AND GROUND FLOOR BAKERY TENANT FIT-OUT. THE WET-PIPE AUTOMATIC SPRINKLER SYSTEM IS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF NFPA-13 2013 EDITION FOR AN ORDINARY HAZARD OCCUPANCY. THE DESIGN AREA IS REDUCED BASED ON NFPA-13 2013 11.2.3.2.3.1

THE DESIGN CRITERIA IS IN ACCORDANCE WITH THE AREA/DENSITY CURVES PER NFPA-13 11.2.3.3 FOR ORDINARY HAZARD. THE SYSTEM SHALL BE CAPABLE OF PROVIDING A DESIGN DENSITY OF 0.15 GPM PER SQUARE FOOT OVER THE REMOTE 970.06 SQ/FT. THE DESIGN AREA IS REDUCED BASED ON NFPA-13 2013 11.2.3.2.3.1 FOR A 13'-0" DECK.

THE SECOND FLOOR SPRINKLER SYSTEM IS EXISTING TO REMAIN.

THE SPRINKLER SYSTEM IS EXISTING- SCOPE OF WORK IS TO MODIFY THE EXISTING WET SPRINKLER SYSTEM TO ACCOMMODATE THE NEW ARCHITECTURAL LAYOUT AND HYDRAULIC DEMAND

THE BUILDING IS SUPPLIED BY AN EXISTING 6" SPRINKLER SERVICE FEEDING THE EXISTING WET SYSTEM CONSISTING OF STEEL PIPE AND FITTINGS FED FROM THE EXISTING CITY WATER SUPPLY.

ALL SPRINKLER SYSTEM IMPAIRMENT AND SHUT-DOWNS ARE TO BE COORDINATED WITH THE BUILDING FACILITIES AND THE BOSTON FIRE DEPARTMENT. THE SYSTEM WILL NOT BE IMPAIRED OUTSIDE OF WORKING HOURS

THE DESIGN OF THE SPRINKLER SYSTEM SHALL CONFORM TO NFPA 13 2013 EDITION AND ANY LOCAL CODE REQUIREMENTS. THE FIRE PROTECTION CONTRACTOR SHALL INCLUDE ALL NEEDED OFFSETS, CHANGES IN DIRECTION, TRANSITIONS, ETC. NEEDED FOR COMPLETE AND OPERATIONAL SYSTEMS.

PERFORM ALL WORK IN ACCORDANCE WITH THE, RULES & REGULATIONS OF THE APPROPRIATE STATE AND LOCAL BUILDING CODES AND SUBTITLES.

PROJECT NOTES:

Type of Construction

☐ New ☒ Existing ☒ Combustible Wood ☐ Non Combustible

Use Classification:

☒ Assembley ☐ Office Space ☐ Mercantile ☐ Educational ☐ Institutional ☐

Sprinkler System Work Description

☐ New ☒ Modification ☐ Vacant ☒ Occupied

Installation Based NFPA # 13 2013 Edition

NFPA Fire Code Compliance #

☒ NFPA -13 ☐ NFPA -13D ☐ NFPA -13R ☐ NFPA -14 ☐ NFPA -30 ☐
☐ NFPA -24 ☐ NFPA -33 ☐ NFPA -45 ☐ NFPA -231 ☐ NFPA -231C ☐

Type of System

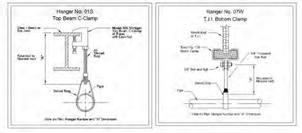
☒ Wet ☐ Dry ☐ Pre-Action ☐ Deluge ☐ Wet Standpipe ☐ DryStandpipe

1> All materials & installations of this automatic fire sprinkler system to conform to N.F.P.A. #13
2> All hangers to be installed per NFPA-13 2013 Chapter 9
3> Building is in Seismic Design Category B (Not Required)
4> New piping 1"-1¼" to be schedule threaded 40 black steel
New piping 1"-1½" to be schedule 10 grooved black steel
5> Owner is resopnsible for maintaining adequate heat at all times
6> Low points of system shall have provisions for proper drainage.
7> System to be hydrostatically tested @ 200psi for 2 hours
8> 24-hour supervision to be provided by others.
9> All electrical & painting to be provided by others.
10> Pipe sizing per: HYDRAULIC CALCULATION
11> All products used on this job are to be FM & UL approved

/ TYPICAL BAND TYPE HANGER SPACED PER NFPA-13 2013
CONNECT TO EXISTING
NEW SPRINKLER PIPING
EX'G SPRINKLER PIPING TO REMAIN

PLAN NORTH

TYPICAL HANGERS TO BE USED ON THIS JOB



Sprinkler Legend

Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note
◎	Reliable		F1FR56	30	5.6	Upright	½	Quick	Bronze	155°F	NEW
○	Tyco		CC2	42	5.6	Upright	½	Quick	Brass	175°F	NEW
●	Reliable		G5-56	40	5.6	Pendent	½	Quick	White	165°F	NEW
◒	Reliable		G5-56	5	5.6	Pendent	½	Quick	White	212°F	NEW
◂	Reliable		F3QR56	5	5.6	Sidewall	½	Quick	Bronze	155°F	NEW
⊗	Reliable		F1FR56	18	5.6	Pendent	½	Quick	Chrome	155°F	EX'G
				Total = 140							

CONSULTANT

S.J. Design Inc.

PO 0039
HOLBROOK, MA
02343
p. 857 891 1488
www.sjdesigninc.com

Job Name

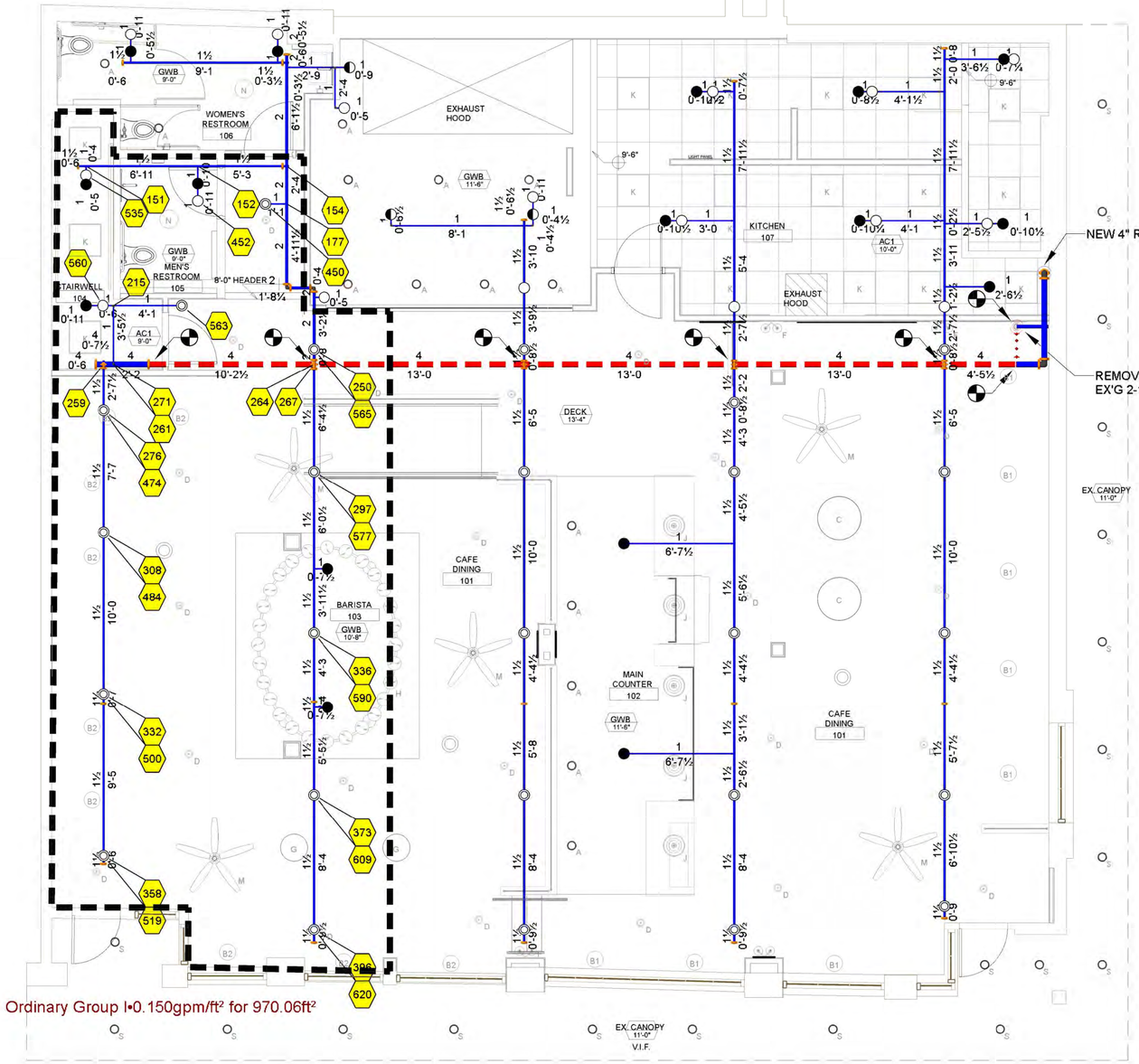
TATTE BAKERY
645 MASSACHUSETTS AVE.
ARLINGTON, MA 02476

Rev. Date	
Date	10/10/2022
Engr	T.C.
Scale	1/4" =1'-0"

FIRE PROTECTION SPRINKLER PLAN

FP 1

INSTALLATION NOTE:
PROVIDE NEW SPRINKLER SYSTEM PIPING AND COVERAGE THROUGHOUT GROUND FLOOR RESTAURANT. REMOVE EX'G BRANCH-LINES BACK TO CROSS MAIN



GROUND FLOOR PLAN
SCALE: 1/4"=1'-0"

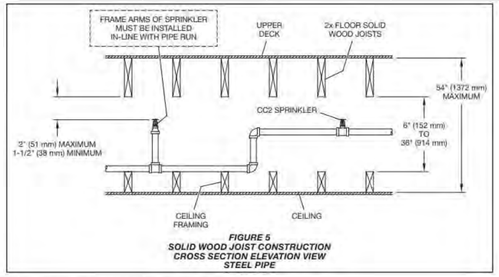
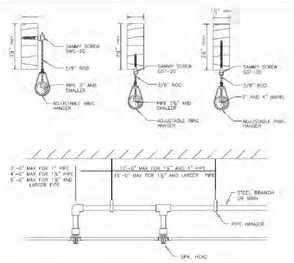
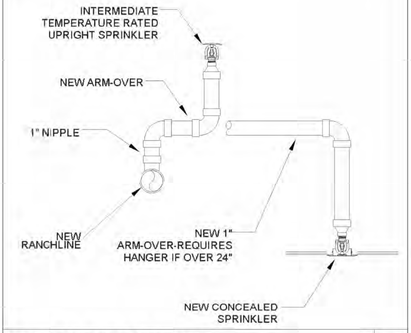


FIGURE 5
SOLID WOOD JOIST CONSTRUCTION
CROSS SECTION ELEVATION VIEW
STEEL PIPE

TYPICAL CONCEALED SPACE SPRINKLER INSTALLATION | NTS

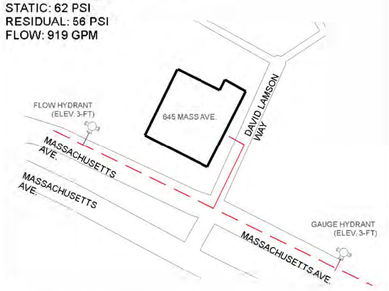


PIPE HANGER SPACING | NTS

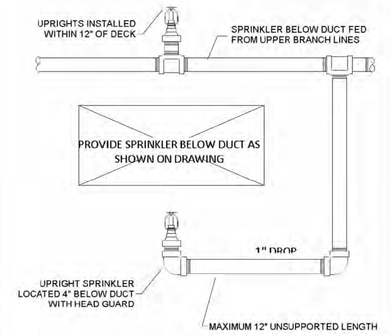


SPRINKLERS ABOVE & BELOW CEILING | NTS

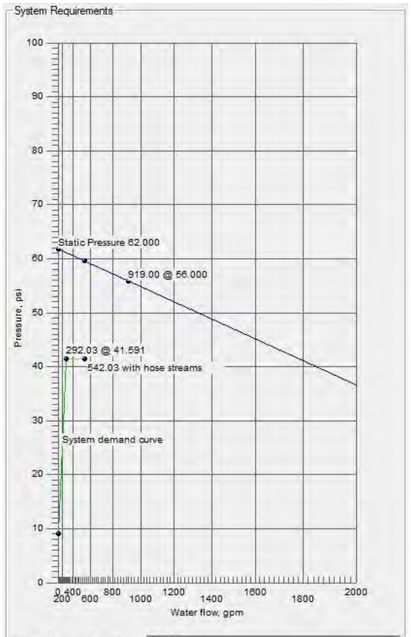
HYDRANT FLOW TEST
LOCATION: 635 MASS AVE. ARLINGTON
DATE: 08/09/2022
STATIC: 62 PSI
RESIDUAL: 58 PSI
FLOW: 919 GPM



SITE PLAN FOR REFERENCE | NTS



COVERAGE BELOW OBSTRUCTIONS EXCEEDING 48" IN WIDTH | NTS

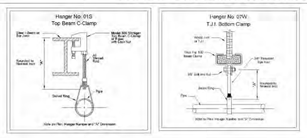


System Pressure Demand	41.591
System Flow Demand	292.03
Outside Hose Demand	250.00
Max velocity above ground	15.62
Total Air Volume In Pipes	0.00gal
Total Demand	542.03 @ 41.591
Pressure Overage	+18.150 (30.4%)

GROUND FLOOR HYDRAULIC DEMAND

PLAN NORTH

TYPICAL HANGERS TO BE USED ON THIS JOB



Sprinkler Legend

Symbol	Manufacturer	SIN	Model	Quantity	K-Factor	Type	Size	Response	Finish	Temperature	Note
	Reliable		F1FR56	30	5.6	Upright	½	Quick	Bronze	155°F	NEW
	Tyco		CC2	42	5.6	Upright	½	Quick	Brass	175°F	NEW
	Reliable		G5-56	40	5.6	Pendent	½	Quick	White	155°F	NEW
	Reliable		G5-56	5	5.6	Pendent	½	Quick	White	212°F	NEW
	Reliable		F3QR56	5	5.6	Sidewall	½	Quick	Bronze	155°F	NEW
	Reliable		F1FR56	18	5.6	Pendent	½	Quick	Chrome	155°F	EXG
				Total = 140							

CONSULTANT

S.J. Design Inc.
PO 0039
HOLBROOK, MA
02343
p. 857 891 1488
www.sjdesigninc.com

Job Name
TATTE BAKERY
645 MASSACHUSETTS AVE.
ARLINGTON, MA 02476

Rev. Date	
Date	10/10/2022
Engr.	T.C.
Scale	1/4" =1'-0"

FIRE PROTECTION SPRINKLER PLAN

FP 2

FOODSERVICE ABBREVIATIONS - SECTION 114000

ADJ	ADJUSTABLE	KW	KILOWATT HOUR
AFF	ABOVE FINISHED FLOOR	LAM	LAMINATE
ALT	ALTERNATE	LBS	POUNDS
ALUM	ALUMINUM	LKR	LOCKER
AMP	AMPERE	LVR	LOUVER
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MAX	MAXIMUM
BLDG	BUILDING	MBTUH	1000 BTU/HOUR
BTU	BRITISH THERMAL UNIT	MECH	MECHANICAL
C&P	CORD AND PLUG	MIN	MINIMUM
CBT	CABINET	MISC	MISCELLANEOUS
CFM	CUBIC FEET PER MINUTE	MTD	MOUNTED
CL	CENTER LINE	MTL	METAL
CLG	CEILING	MUL	MULLION
CMU	CONCRETE MASONRY UNIT	NA	NOT APPLICABLE
COL	COLUMN	NIC	NOT IN CONTRACT
CONN	CONNECTION	NO.	NUMBER
CU FT	CUBIC FEET	NS	NO SCALE
CW	COLD WATER	OC	ON CENTER
DC	DROP CORD	OD	OUTSIDE DIAMETER
DFA	DOWN FROM ABOVE	OFC	OFFICE
DIAM	DIAMETER	OH.	OVERHEAD
DIM.	DIMENSION	OPNG	OPENING
DISP	DISPENSER	OPP	OPPOSITE
DIV	DIVISION	OPP H	OPPOSITE HAND
DN	DOWN	PC	PLUMBING CONTRACTOR
DR	DUPLEX RECEPTACLE	PERF	PERFORATE(D)
DTL	DETAIL	PH	PHASE
DWG	DRAWING	PLAM	PLASTIC LAMINATE
DWR	DRAWER	PLUMB	PLUMBING
EA	EACH	PLYWD	PLYWOOD
EC	ELECTRICAL CONTRACTOR	PNL	PANEL
EL	ELEVATION	PREP	PREPARATION
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQ	EQUAL	QT	QUARRY TILE
EQPM	EQUIPMENT	QTY	QUANTITY
ETR	EXISTING TO REMAIN	QUAD	QUAD RECEPTACLE
EX	EXISTING	RAD	RADIUS
EXH	EXHAUST	RCP	REFLECTED CEILING PLAN
EXT	EXTERIOR	RECP	RECEPTACLE
FD	FLOOR DRAIN	REFG	REFRIGERATOR
FEC	FIRE EXTINGUISHER CABINET	REQD	REQUIRED
FF	FINISHED FLOOR	RET	RETURN
FIN.	FINISH(ED)	RI	ROUGH-IN
FLR	FLOOR	RM	ROOM
FLSHG	FLASHING	RO	ROUGH OPENING
FLUR	FLUORESCENT	SAN	SANITARY
FRZ	FREEZER	SCH	SCHEDULE
FT	FOOT	SHLVG	SHELVING
FURN	FURNITURE	SHT	SHEET
G	GAS	SP	SPECIAL RECEPTACLE
GA	GAUGE	SPEC	SPECIFICATION
GAL	GALLON	SQ	SQUARE
GALV	GALVANIZED	SR	SINGLE RECEPTACLE
GC	GENERAL CONTRACTOR	SS	STAINLESS STEEL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	STD	STANDARD
GPM	GALLONS PER MINUTE	STL	STEEL
HGT	HEIGHT	STOR	STORAGE
HP	HORSEPOWER	STP	STATIC PRESSURE
HVAC	HEATING, VENTILATING, CONDITIONING	SUP	SUPPLY
HW	HOT WATER	TEL	TELEPHONE
ID	INSIDE DIAMETER	TV	TELEVISION
IN.	INCH	TYP	TYPICAL
INCL	INCLUDE	UDS	UTILITY DISTRIBUTION SYSTEM
INST	INSTALL(ATION)	UNFIN	UNFINISHED
INSUL	INSULATE(ION)	UNK	UNKNOWN
INT	INTERIOR	VAC	VACUUM
IW	INDIRECT WASTE	VERT	VERTICAL
JAN	JANITOR	W/	WITH
JB	JUNCTION BOX	W/O	WITHOUT
JBH	JUNCTION BOX - CEILING/HORIZONTAL MOUNTED	WH	WATER HEATER
JBW	JUNCTION BOX - WALL MOUNTED	WL	WALL
JC	JANITOR'S CLOSET	WP	WEATHER PROOF
KEC	KITCHEN EQUIPMENT CONTRACTOR	WT	WEIGHT
KTN	KITCHEN		

NOTE: FOODSERVICE DRAWINGS INDICATE PLUMBING ROUGH-IN/CONNECTION POINTS ONLY FOR EQUIPMENT SPECIFIED UNDER THE KITCHEN EQUIPMENT (SECTION 114000) CONTRACT. ANY ADDITIONAL PLUMBING REQUIREMENTS ARE NOT INDICATED ON FOODSERVICE DRAWINGS. THE PLUMBING CONTRACTOR (DIVISION 22) SHALL FURNISH AND INSTALL PRESSURE REDUCING VALVES, FLOW CONTROLS, BACK FLOW PREVENTION, RPZ (REDUCED PRESSURE ZONE) VALVES, WATER HAMMER ARRESTOR, GATE VALVES, FOR WATER CONNECTIONS AS REQUIRED PER LOCAL CODES.

PLUMBING NOTES (DIVISION 22)

1. INSTALL KEC (SECTION 114000) FURNISHED FAUCET(S).
2. INSTALL KEC (SECTION 114000) FURNISHED TWIST WASTE/LEVER(S).
3. INSTALL KEC (SECTION 114000) FURNISHED HAND SINKS (WALL MOUNT STYLE) IN LOCATION SHOWN WITH THE MOUNTING HEIGHT TO BE A.D.A. COMPLIANT. PROVIDE AND INSTALL ALL NECESSARY HARDWARE FOR FINAL CONNECTION.
4. INSTALL KEC (SECTION 114000) FURNISHED QUICK DISCONNECT(S) & RESTRAINING DEVICE(S) PER MANUFACTURER'S RECOMMENDATIONS. INSTALL KEC (SECTION 114000) FURNISHED FLOOR TROUGH(S).
5. EXTEND AND/OR CONNECT DRAIN(S).
6. MANIFOLD DRAINS TO SINGLE CONNECTION.
7. FURNISH AND INSTALL BALL VALVE IN DRAIN LINE. VALVE TO BE IN EASILY ACCESSIBLE LOCATION.
8. INSTALL KEC (SECTION 114000) FURNISHED WATER FILTER. PIPING FROM FILTER OUTLET TO POINTS OF USE SHALL BE CONCEALED WITHIN WALLS AND CEILINGS. EXTEND DRAIN(S) TO FLOOR SINK/FLOOR DRAIN.
9. INSTALL KEC (SECTION 114000) FURNISHED SOLENOID VALVE(S), VACUUM BREAKER(S), FLOW CONTROL(S), PRESSURE REGULATOR(S), AND WATER INLET(S).
10. CONNECT MIN. 110°F HOT WATER SUPPLY (70° RISE) BOOSTER HEATER, THEN INTERPIPE TO DISHWASHER INLET. INSTALL TEMPERATURE/PRESSURE GAUGE(S) AND PRESSURE REGULATOR. CONNECT BOOSTER HEATER DRAIN(S) IN HARD COPPER TO FLOOR SINK/FLOOR DRAIN.
11. INSTALL KEC (SECTION 114000) FURNISHED DRAIN LINE TEMPERING KIT PER MANUFACTURER'S RECOMMENDATIONS.
12. CONNECT DRAIN(S) WITH REFRIGERATION GRADE HARD COPPER USING 1" STANDOFFS. "P" TRAP DRAIN OUTSIDE WALK-IN COMPARTMENT(S). PROVIDE AND INSTALL SLEEVES THRU WALK-IN AND BUILDING WALLS FOR DRAIN LINE(S). FOAM & CAULK AROUND SLEEVES AND DRAIN LINES. WRAP WITH DRAIN LINE HEATER AND INSULATION WHERE SUBJECT TO FREEZING TEMPERATURES.
13. INSTALL KEC (SECTION 114000) FURNISHED HOSE REEL, MIXING VALVE, CHROME FITTINGS, VACUUM BREAKER, AND CONTROL VALVE.
14. INSTALL KEC (SECTION 114000) FURNISHED FIRE SUPPRESSION SYSTEM GAS SHUT OFF VALVE. MUST BE ACCESSIBLE AND NOT CONCEALED IN WALL OR CEILING.
15. PROVIDE GRAY WATER AND SLURRY PIPING TO AND FROM (SECTION 114000) FURNISHED PULPER, TROUGH, AND WATER EXTRACTOR. INSTALL KEC (SECTION 114000) FURNISHED TROUGH INLET NOZZLES AND PROVIDE SHUT OFF VALVE AT EACH NOZZLE.
16. VERIFY UTILITIES FOR EXISTING & NIC EQUIPMENT.

NOTE: FOODSERVICE DRAWINGS INDICATE ELECTRICAL ROUGH-IN/CONNECTION POINTS ONLY FOR EQUIPMENT SPECIFIED UNDER THE KITCHEN EQUIPMENT (SECTION 114000) CONTRACT. ANY ADDITIONAL ELECTRICAL REQUIREMENTS ARE NOT INDICATED ON FOODSERVICE DRAWINGS.

ELECTRICAL NOTES (DIVISION 26)

1. FURNISH AND INSTALL CORD AND PLUG SET(S).
2. INSTALL KEC (SECTION 114000) FURNISHED CORD AND PLUG SET(S).
3. FURNISH AND INSTALL DEVICE & COVER IN KEC (SECTION 114000) FURNISHED JUNCTION BOX.
4. CONNECT TO JUNCTION BOX, DEVICE, & COVER FURNISHED BY KEC (SECTION 114000).
5. CONNECT WITH LIQUID TIGHT CONDUIT FROM JUNCTION BOX TO EQUIPMENT/DEVICE(S) FOR A DIRECT CONNECTION.
6. CONNECT WITH LIQUID TIGHT CONDUIT FROM JUNCTION BOX THROUGH THE CONTROL THEN TO EQUIPMENT/DEVICE(S) FOR A DIRECT CONNECTION.
7. CONNECT THRU DISPOSER CONTROL TO SOLENOID VALVE AND MOTOR.
8. FURNISH AND INSTALL WIRING TO KEC (SECTION 114000) FURNISHED REMOTE CONTROL SWITCHES.
9. FURNISH AND INSTALL SWITCH. CONNECT TO LIGHTS FURNISHED AND INSTALLED BY KEC (SECTION 114000).
10. CONNECT POWER SUPPLY TO KEC (SECTION 114000) FURNISHED LOAD CENTER. COUNTER SHALL BE PREWIRED AND SHIPPED IN SECTIONS. CONNECT BETWEEN SECTIONS.
11. CONNECT TO KEC (SECTION 114000) FURNISHED JUNCTION BOX ABOVE WALK-IN DOOR. LIGHT FIXTURE LOCATED ADJACENT/ABOVE DOOR IS PREWIRED TO FACTORY MOUNTED LIGHT SWITCH. MOUNT ADDITIONAL SECTION 114000 FURNISHED LIGHTS WHERE INDICATED AND CONNECT TO SWITCH. ALL CONDUIT SHALL BE EXPOSED ON TOP OF THE WALK-IN. NO EXPOSED CONDUIT WILL BE ALLOWED INSIDE THE WALK-IN.
12. FOAM & SEAL INSIDE AND OUTSIDE OF CONDUIT PENETRATIONS THRU WALK-IN.
13. CONNECT KEC (SECTION 114000) FURNISHED TEMPERATURE ALARM SYSTEM. COORDINATE WITH BUILDING SYSTEMS.
14. CONNECT TO ELECTRICAL CONTRACTOR (DIVISION 26) FURNISHED FUSED DISCONNECT AT CONDENSING UNIT.
15. INSTALL KEC (SECTION 114000) FURNISHED DEFROST TIMER. CONNECT THRU TIMER TO EVAPORATOR COIL.
16. CONNECT FROM KEC (SECTION 114000) FURNISHED CONDENSING UNIT, THRU DEFROST TIMER, TO EVAPORATOR COIL.
17. PROVIDE NEMA RECEPTACLE WITH WEATHER COVER BEHIND FREEZER EVAPORATOR COIL FOR DRAIN LINE HEATER.
18. CONNECT EXHAUST FAN THRU FAN CONTROL CONTACTS IN DISHWASHER.
19. CONNECT TABLE LIMIT SWITCH TO DRY CONTACT ON KEC (SECTION 11400) FURNISHED DISH MACHINE.
20. CONNECT DRAIN WATER TEMPERING DEVICE PER MANUFACTURER'S RECOMMENDATIONS.
21. CONNECT THRU KEC (SECTION 114000) FURNISHED LIGHT SWITCH MOUNTED IN FACE OF HOOD OR HOOD CONTROL CABINET TO LIGHT FIXTURES IN HOOD(S). INTERWIRE LIGHT FIXTURES BETWEEN HOOD SECTIONS AS REQUIRED.
22. CONNECT THRU KEC (SECTION 114000) FURNISHED FAN CONTROL SWITCH MOUNTED IN FACE OF HOOD OR HOOD CONTROL CABINET TO EXHAUST FAN(S)/MAKE-UP AIR UNIT(S). INTERWIRE THRU MOTOR STARTER(S)/VARIABLE FREQUENCY DRIVE(S) AND OVERLOAD PROTECTION DEVICE(S) AS REQUIRED. INSTALL AND/OR INTERWIRE THE KEC (SECTION 114000) FURNISHED HOOD HEAT SENSOR(S) AND SMOKE SENSORS AS REQUIRED.
23. CONNECT 120 VOLT FROM KEC (SECTION 114000) FURNISHED MICRO SWITCH IN FIRE SUPPRESSION SYSTEM CONTROL PANEL TO SHUNT TRIP BREAKER(S) FOR SHUT DOWN OF POWER TO ALL ELECTRICAL DEVICES UNDER HOOD(S) AND 18" OUTSIDE PERIMETER OF HOOD(S). CONNECT FROM MICRO SWITCH TO DIVISION 26 FURNISHED RELAY(S) OR SWITCHES FOR SHUT DOWN/CONTROL OF HOOD LIGHTS, MAKE-UP AIR FAN, AND FIRE ALARM SYSTEM.
24. CONNECT 120 VOLT FROM KEC (SECTION 114000) FURNISHED MICRO SWITCH IN FIRE SUPPRESSION SYSTEM CONTROL PANEL THRU MANUAL RESET RELAY TO ELECTRIC GAS VALVE. EC IS RESPONSIBLE FOR ANY REQUIRED INTERWIRING/CONTROL WIRES FOR THE FIRE SUPPRESSION SYSTEM AND ASSOCIATED ELECTRICAL GAS SOLENOID VALVES.
25. PROVIDE CONCEALED CONDUIT AND RECESSED OCTAGONAL JUNCTION BOX IN WALL AT 42"-48" AFF FOR REMOTE MANUAL PULL STATION(S). COORDINATE LOCATION(S) WITH FIRE SUPPRESSION SYSTEM CONTRACTOR AND AUTHORITIES HAVING JURISDICTION PRIOR TO ROUGH-IN. EC IS RESPONSIBLE FOR ANY REQUIRED INTERWIRING/CONTROL WIRES FOR THE FIRE SUPPRESSION SYSTEM AND ASSOCIATED ELECTRICAL GAS SOLENOID VALVES. VERIFY AND PROVIDE UTILITIES FOR EXISTING/NIC EQUIPMENT PRIOR TO ROUGH-IN.
26. INSTALL 3/4" EMPTY CONDUIT AND JUNCTION BOX FOR DATA CONNECTION. VERIFY EXACT REQUIREMENTS AND TERMINATION POINTS PRIOR TO ROUGH-IN.
27. EC TO PROVIDE AND INSTALL AN APPROVED GFCI RECEPTACLE WHEN THE EQUIPMENT IS PROVIDED WITH A CORD AND PLUG.

PLUMBING LEGEND

- COLD WATER
- HOT WATER
- CS — CHILLED WATER
- CR — CHILLED WATER RETURN
- DIRECT WASTE
- FLOOR DRAIN
- FLOOR SINK - FULL GRATE
- FLOOR SINK - PARTIAL GRATE
- FLOOR SINK - NO GRATE
- FUNNEL FLOOR DRAIN
- HUB FLOOR DRAIN
- GAS DROP FROM MANIFOLD
- SS — STEAM SUPPLY
- CR — CONDENSATE RETURN
- PIPING STUB UP
- FILTERED WATER
- BEVERAGE CONDUIT STUB UP

ELECTRICAL LEGEND

- DUPLEX RECEPTACLE
- GFCI RECEPTACLE
- GFCI — WEATHERPROOF RECEPTACLE
- WP — SINGLE RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- DOUBLE DUPLEX RECEPTACLE
- FLUSH FLOOR MOUNT RECEPTACLE
- J — JUNCTION BOX - CEILING MOUNTED
- JUNCTION BOX - WALL MOUNTED
- S — SWITCH
- DATA CONNECTION
- F — MANUAL PULL STATION
- CLG — DROP CORD MOUNTED FROM CEILING
- C — CONDUIT STUB LOCATION
- T — DEFROST TIME CLOCK
- DISCONNECT
- LIGHT - RECTANGULAR
- LIGHT - ROUND
- MOTOR

FOODSERVICE SHEET LIST

NO.	SHEET NAME
GENERAL	
QF001	FOODSERVICE GENERAL NOTES, LEGENDS, SHEET INDEX
EQUIPMENT PLANS	
QF100A	FOODSERVICE EQUIPMENT PLAN
QF100B	FOODSERVICE EQUIPMENT PLAN
EQUIPMENT SCHEDULES	
QF101A	FOODSERVICE EQUIPMENT SCHEDULE
QF101B	FOODSERVICE EQUIPMENT SCHEDULE
QF102	FOODSERVICE PLUMBING & ELECTRICAL SCHEDULES
PLUMBING ROUGH-INS	
QF200A	FOODSERVICE PLUMBING ROUGH-IN PLAN
QF200B	FOODSERVICE PLUMBING ROUGH-IN PLAN
ELECTRICAL ROUGH-INS	
QF300A	FOODSERVICE ELECTRICAL ROUGH-IN PLAN
QF300B	FOODSERVICE ELECTRICAL ROUGH-IN PLAN
SPECIAL CONDITIONS	
QF400A	FOODSERVICE SPECIAL CONDITIONS PLAN
QF400B	FOODSERVICE SPECIAL CONDITIONS PLAN
DETAILS AND ELEVATIONS	
QF500	FOODSERVICE ELEVATIONS

DEFINITION OF TERMS

FURNISH: SUPPLY AND DELIVER TO APPROPRIATE CONTRACTOR FOR INSTALLATION.

INSTALL: FURNISH TO PROJECT SITE INCLUDING UNLOADING, UNPACKING, ASSEMBLY, ERECTING, PLACING, ANCHORING, PROTECTING, CLEANING AND SIMILAR OPERATIONS; READY FOR FINAL UTILITY CONNECTIONS BY APPROPRIATE CONTRACTOR.

PROVIDE: FURNISH AND INSTALL COMPLETE, READY FOR INTENDED USE.

WALL BLOCKING SCHEDULE (DIVISION 6)

WB-1	FROM 12" AFF TO 24" AFF
WB-2	FROM 16" AFF TO 28" AFF
WB-3	FROM 24" AFF TO 48" AFF
WB-4	FROM 48" AFF TO 84" AFF
WB-5	FROM 60" AFF TO 84" AFF
WB-6	FROM 72" AFF TO CEILING
WB-7	FROM 84" AFF TO 102" AFF

NOTE: ALL WALL BLOCKING TO BE 5/8" FIRE RATED/TREATED PLYWOOD MINIMUM OR 18GA METAL WHERE REQUIRED.

TriMark
Foodservice Equipment, Supplies and Design
UNITED EAST

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Owner and all Contractors to check and verify existing dimensions and conditions in the field before starting construction and to notify TriMark of any material or detail changes.

REVISIONS

DATE	BY	NO.	DESCRIPTION
9-9-22	SM	A	P&Es

TATTE
645 Massachusetts Ave
Arlington, MA 02476
Foodservice Equipment Drawings

PROJECT NUMBER: 22-226

DATE: 08/09/22

SCALE: NTS

DRAWN BY: SM

APPROVED BY: JV/MT

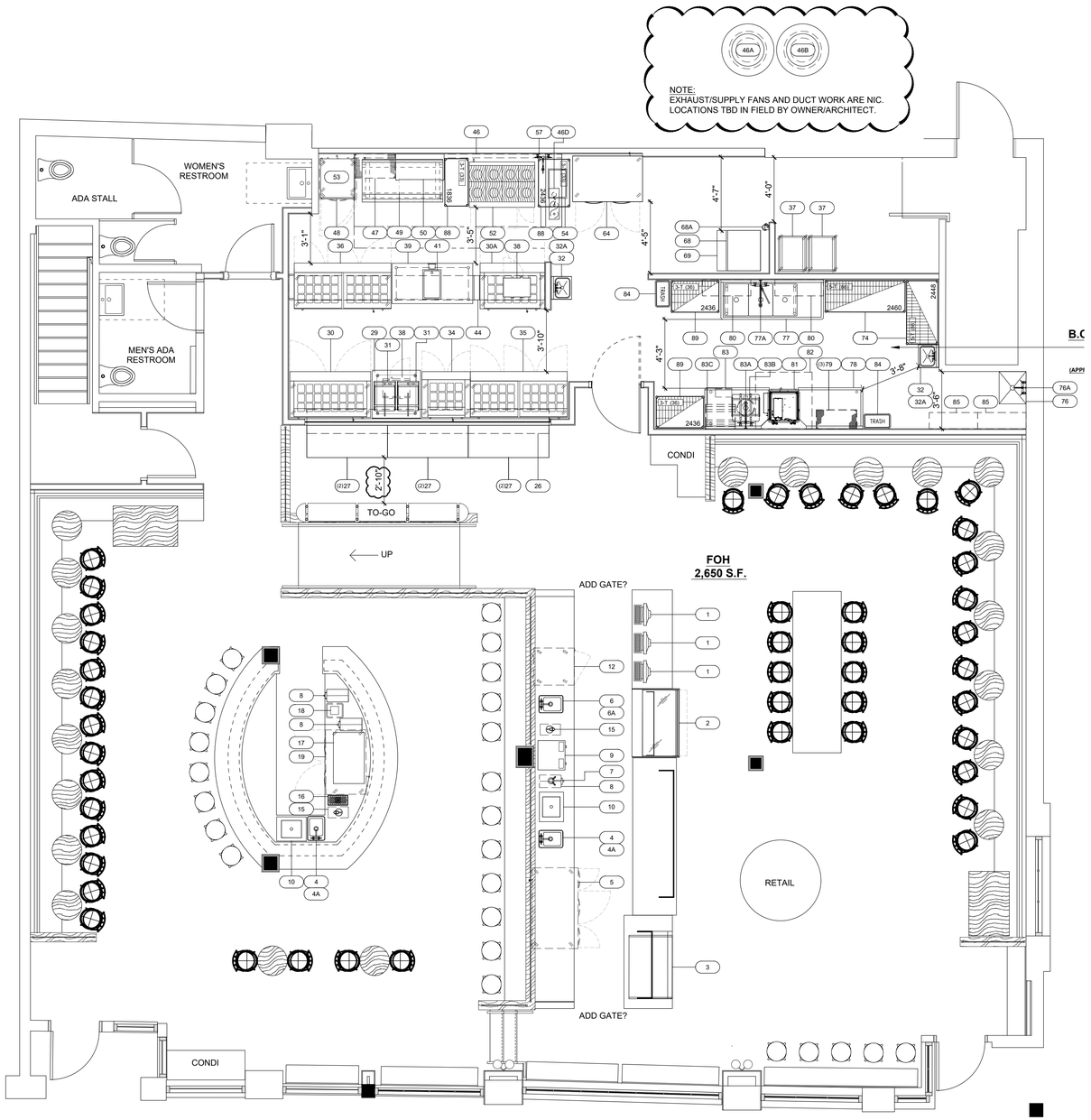
SHEET TITLE: FOODSERVICE GENERAL NOTES, LEGENDS, SHEET INDEX

SHEET NUMBER: QF001

THIS DOCUMENT WAS ORIGINALLY PRINTED ON A 24" x 36" SIZE SHEET

ISSUED FOR COORDINATION
09/09/2022

NOT FOR CONSTRUCTION



FOODSERVICE EQUIPMENT LAYOUT- MAIN LEVEL
SCALE: 1/4" - 1' - 0"

TriMark
Foodservice Equipment, Supplies and Design
UNITED EAST

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REVISIONS

DATE	BY	NO.	DESCRIPTION
9-9-22	SM	A	P&Es

TATTE
645 Massachusetts Ave
Arlington, MA 02476
Foodservice Equipment Drawings

PROJECT NUMBER:	22-226
DATE:	08/09/22
SCALE:	1/4" = 1'-0"
DRAWN BY: SM	APPROVED BY: JV/MT

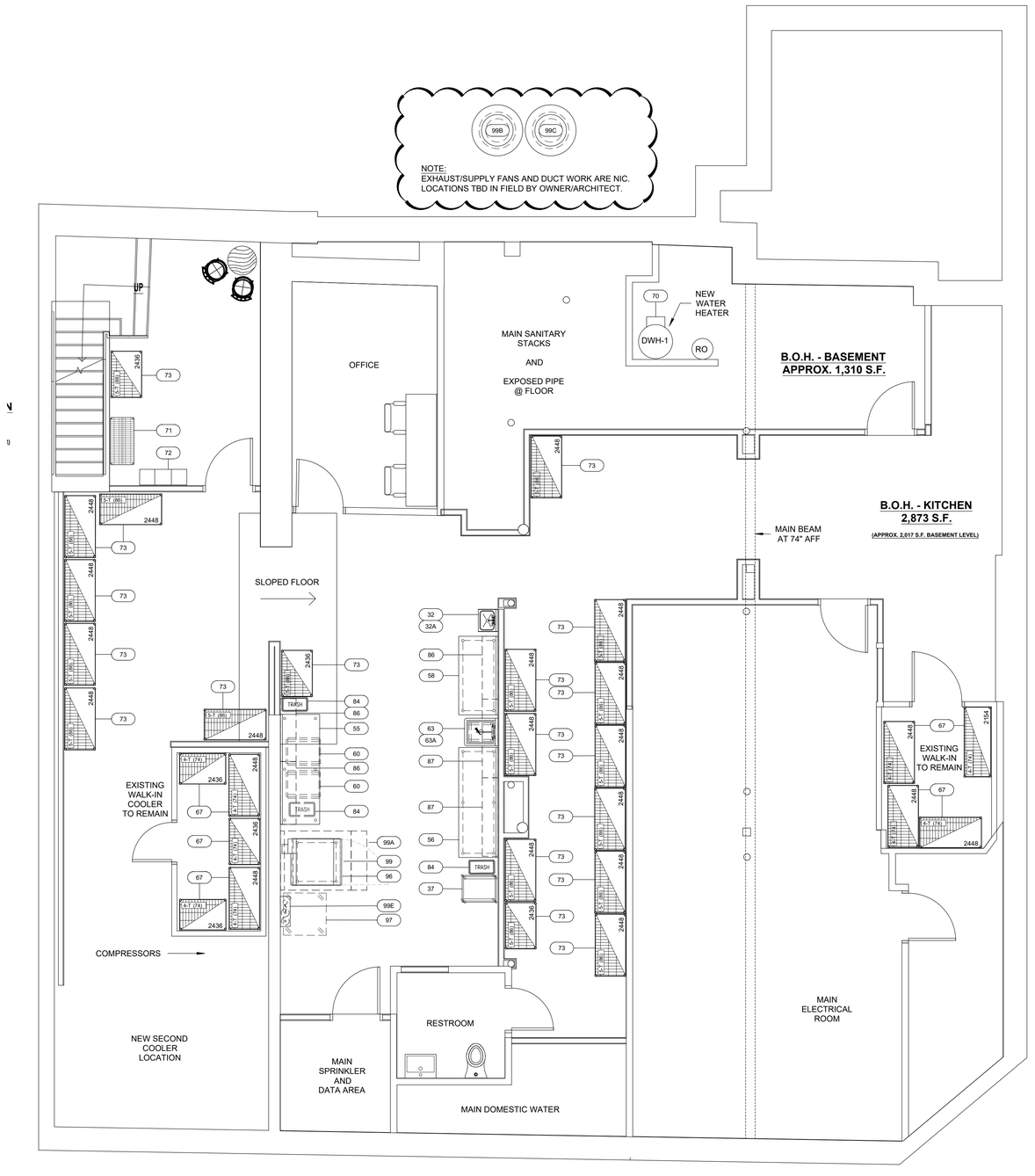
SHEET TITLE:
FOODSERVICE EQUIPMENT PLAN

SHEET NUMBER:
QF100A

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09/09/2022

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FOODSERVICE EQUIPMENT LAYOUT- BASEMENT LEVEL

SCALE: 1/4" - 1' - 0"

TriMark
Foodservice Equipment, Supplies and Design
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REVISIONS

DATE	BY	NO.	DESCRIPTION
9-9-22	SM	A	P&Es

TATTE
645 Massachusetts Ave
Arlington, MA 02476
Foodservice Equipment Drawings

PROJECT NUMBER: 22-226

DATE: 08/09/22

SCALE: 1/4" = 1'-0"

DRAWN BY: SM

APPROVED BY: JV/MT

SHEET TITLE: FOODSERVICE EQUIPMENT PLAN

SHEET NUMBER: QF100B

THIS DOCUMENT WAS ORIGINALLY PRINTED ON A 24" x 36" SIZE SHEET

NOTE: THE UTILITY SCHEDULE BELOW IS "PRELIMINARY ONLY" AND IS SUBJECT TO CHANGES DURING THE ONGOING DESIGN DEVELOPMENT OF THE PROJECT. FINAL FOOD SERVICE DRAWINGS WILL BE ISSUED ONCE THE PROJECT HAS BEEN FINALIZED WITH THE CUSTOMER.

UTILITY SCHEDULE

						ELECTRICAL						PLUMBING							
REV	ITEM NO.	QTY	ITEM DESCRIPTION	MFR	MODEL	VOLTS	PHASE	AMPS	KW	HP	CONN.	NEMA	CW	HW	IW	DW	GAS	MBTUH	REMARKS	ITEM NO.
	1	3	POS	NIC	POS - BY OTHERS	120	1	20.0			DR	5-20P							ALL TRADES MUST VERIFY UTILITY REQUIREMENTS	1
	2	1	DISPLAY CASE, REFRIGERATED BAKERY	FEDERAL INDUSTRIES	CGR5048	120	1	10.5	1.26	1/2	DR	5-15P							WITH S/S FINISH, GLASS SHELVES, S/S DISPLAY DECK, AND CORD & PLUG	2
	3	1	REFRIGERATED SELF-SERVICE UNDER COUNTER HEIGHT CASE	STRUCTURAL CONCEPTS	CO43R-UC	110-120	1	12.0	1.053		DR	5-15P							WITH S/S INTERIOR FINISH AND NIGHT CURTAIN	3
	4	2	DROP-IN HAND SINK	TRIMARK	KDIHS101410SP											1-1/2"			REPLACE FAUCET WITH T&S B-0325 FAUCET- (ITEM # 4A)	4
	4A	2	DECK MOUNT FAUCET	T&S BRASS	B-0325-CR								1/2"	1/2"						4A
	5	1	UNDERCOUNTER REFRIGERATOR	CONTINENTAL REFRIGERATOR	RA60N-U	115	1	4.8		1/4	DR	5-15P								5
	6	1	DROP-IN DUMP SINK	TRIMARK	KDIHS101410SP										1-1/2"				REPLACE FAUCET WITH T&S B-0325 FAUCET- (ITEM # 6A)	6
	6A	1	DECK MOUNT FAUCET	T&S BRASS	B-0325-CR								1/2"	1/2"						6A
	7	1	COLD BREW	NIC	BY OWNER														ALL TRADES MUST VERIFY UTILITY REQUIREMENTS	7
	8	3	COFFEE GRINDER	NIC	BY OWNER	120	1	20.0		3/4	DR	5-20P							INFORMATION SHOWN IS FOR COORDINATION ONLY AND NEEDS TO BE VERIFIED	8
	9	1	COFFEE TEA BREWER	NIC	BY OTHERS	220	1	34.5			SP	14-50P	3/8"						INFORMATION SHOWN IS FOR COORDINATION ONLY AND NEEDS TO BE VERIFIED	9
	10	2	DROP-IN ICE BIN	NBR EQUIPMENT	DIB-2218										1"					10
	11	1	SPARE NUMBER	CUSTOM	SPARE NUMBER															11
	12	1	UNDERCOUNTER REFRIGERATOR	TRIMARK	KUC27R	115	1	1.5		3/8	DR	5-15P							LEFT HINGED	12
	13-14	1	SPARE NUMBERS	CUSTOM	SPARE NUMBER															13-14
	15	2	WATER DISPENSER W/BOILER	NIC	BY OTHERS	230	1	VERIFY	2.8		SP	L6-20P	X						ALL TRADES MUST VERIFY UTILITY REQUIREMENTS	15
	16	1	GLASS RINSER	NIC	BY OWNER								X		X				ALL TRADES MUST VERIFY UTILITY REQUIREMENTS	16
	17	1	ESPRESSO MACHINE	NIC	3 GROUP	240	1	50.0			SP	6-15P	X						ALL TRADES MUST VERIFY UTILITY REQUIREMENTS	17
	18	1	KNOCK BOX	NIC	BY OWNER															18
	19	1	UNDERCOUNTER REFRIGERATOR	CONTINENTAL REFRIGERATOR	SW48N-U	115	1	2.46		1/5	DR	5-15P								19
	20-25	1	SPARE NUMBERS	CUSTOM	SPARE NUMBERS															20-25
	26	1	PASS-THRU SHELF	JOHN BOOS	FABRICATE														S/S DOUBLE OVERSHELF 15'-0" X 18" WALL MOUNTED (TWO (2) SECTIONS BOLTED FIELD JOINTED), BOTTOM SHELF WITH HAT CHANNEL SUPPORTS, 14 GA. S/S FLAG BRACKETS AND ANGLE BRACKETS TO SECURE TO WALL, TOP SHELF PROVIDED WITH 1" OF TUBULAR UPRIGHTS AND HAT CHANNELS. 49" AFF TO TOP OF LOWER SHELF, 66"AFF TO TOP OF UPPER SHELF. WITH TELESCOPING CHANNEL SUPPORT AND REQUIRED FLAG BRACKETS FOR MOUNTING TO WALL BELOW.	26
	27	6	SHELVING, WALL MOUNTED	JOHN BOOS	BHS2460-16/304														MODIFIED TO 24" DEEP. G.C. TO PROVIDE WALL BLOCKING.	27
	28	1	SPARE NUMBER	CUSTOM	SPARE NUMBER															28
	29	1	WORK TABLE, 36", STAINLESS STEEL TOP	JOHN BOOS	ST6R1.5-3636SSK														WITH TWO ADJUSTABLE UNDERSHELVES	29
	30	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	CONTINENTAL REFRIGERATOR	SW60N24M-FB	115	1	5.8		1/3	DR	5-15P							WITH FLAT LID	30
	30A	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	CONTINENTAL REFRIGERATOR	SW48N18M	115	1	4.5		1/4	DR	5-15P								30A
	31	2	PANINI GRILL	EQUIPEX	PANINI VG	208/240	1	12.0/14.0	3.0		SP	6-20P							SMOOTH TOP & BOTTOM PLATES	31
	32	3	HAND SINK	TRIMARK	KHS17SP											1-1/2"			G.C. TO PROVIDE WALL BLOCKING	32
	32A	3	WALL / SPLASH MOUNT FAUCET	T&S BRASS	B-1146-01-CR								1/2"	1/2"					G.C. TO PROVIDE WALL BLOCKING	32A
	32B	3	DISPENSER SS MULTIFOLD FOR ALL FOLDED TOWELS / KEY	BOBRICK WASHROOM/APC	B-262														NOT SHOWN ON PLAN	32B
	33	1	SPARE NUMBER	CUSTOM	SPARE NUMBER															33
	34	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	CONTINENTAL REFRIGERATOR	SW36N12M-FB	115	1	2.46		1/5	DR	5-15P							WITH FLAT LID	34
	35	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	CONTINENTAL REFRIGERATOR	SW72N30M-FB	115	1	6.1		1/3	DR	5-15P								35
	36	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	CONTINENTAL REFRIGERATOR	SW72N30M-FB	115	1	6.1		1/3	DR	5-15P							WITH FLAT LID	36
A	37	3	BUN / SHEET PAN RACK	WINHOLT	AL-1820B															37
	38	2	MICROWAVE OVEN	PANASONIC	NE-1064F	120	1	13.4	1		DR	5-15P								38
	39	1	WORK TABLE, 60", STAINLESS STEEL TOP	JOHN BOOS	ST6-3060SSK														WITH PROVISIONS FOR ITEM #41 HOT FOOD WELL UNIT	39
	40	1	SPARE NUMBER	CUSTOM	SPARE NUMBER															40
	41	1	HOT FOOD WELL UNIT, DROP-IN, ELECTRIC	WELLS	MOD-100TD	120	1	13.5	1.65		DR	5-15P			1/2"				ALL TRADES MUST VERIFY UTILITY REQUIREMENTS	41
	42-43	1	SPARE NUMBERS	CUSTOM	SPARE NUMBERS															42-43
	44	1	OVERSHELF	JOHN BOOS	Z-TATTE-1400-044														13'-10" LONG X 1'-6" WIDE DOUBLE OVERSHELF MOUNTED TO THE WALL AND THE FLOOR ON TWO (2) STAINLESS STEEL SUPPORT LEGS WITH ADJUSTABLE FLANGED FEET, PROVISIONS MADE FOR RECEPTACLES, AND WITH 3 REMOVEABLE PANELS PER CONDUIT CHASE, MECHANICAL BOLTED JOINTS SO THAT SHELVING UNIT CAN BE FASTENED TOGETHER IN TWO (2) SECTIONS. LOCATION OF DOGHOUSES TO BE COORDINATED ON THE SHOP DRAWINGS. E.C. SHALL MAKE ALL FINAL ELECTRICAL CONNECTIONS AS REQUIRED.	44
	45	1	SPARE NUMBER	CUSTOM	SPARE NUMBER															45
	46	1	EXHAUST HOOD	NIC	BY OTHERS	X	X	X			JBH								12'-10" (INCLUDES 12" FIRE CABINET), ALL S/S, W/ FRONT PERFORATED SUPPLY PLENUM, 3" REAR STANDOFF, LIGHTS, FILTERS, GREASE CUP, & ENCLOSURE PANELS AS REQUIRED. OWNER TO DETERMINE EXACT LENGTH AND HEIGHT.	46
	46A	1	EXHAUST FAN & DUCTWORK	NIC	BY OTHERS	X	X	X			JBH								ALL TRADES MUST VERIFY UTILITY REQUIREMENTS	46A
	46B	1	SUPPLY FAN & DUCTWORK	NIC	BY OTHERS	X	X	X			JBH								ALL TRADES MUST VERIFY UTILITY REQUIREMENTS	46B
	46C	1	S/S WALL PANELING	NIC	CUSTOM														O.A. 12'-10" LONG X 80" HIGH WITH TRIM STRIPS AND END CAPS.	46C
	46D	1	FIRE SUPPRESSION SYSTEM	NIC	BY OTHERS	X	X	X			JBH								ALL TRADES MUST VERIFY UTILITY REQUIREMENTS	46D
	47	1	WIRE SHELVING	CENTAUR	C1830C														WITH SHELF SUPPORTS. G.C. TO PROVIDE WALL BLOCKING	47
	48	1	REFRIGERATED WORK TOP	CONTINENTAL REFRIGERATOR	SW27N-FB	115	1	2.46		1/5	DR	5-15P							DOOR HINGED LEFT	48
	49	1	GAS COUNTERTOP GRIDDLE	SOUTHBEND	HDG-60												3/4"	150.0	WITH STAND AND CASTERS	49
	49A	1	BLUE HOSE GAS CONNECTOR KIT	DORMONT	1675KITCF48														NOT SHOWN ON PLAN	49A
	50	1	CHEESEMELTER, GAS	SOUTHBEND	P36-CM												3/4"	40.0	WITH WALL BRACKET. G.C. TO PROVIDE WALL BLOCKING.	50
	51	1	SPARE NUMBER	CUSTOM	SPARE NUMBER															51
	52	1	RANGE, 48", 8 OPEN BURNERS	SOUTHBEND	4482DC												3/4"	261.0	WITH CASTERS	52
	52A	1	BLUE HOSE GAS CONNECTOR KIT	DORMONT	16100KITCF48														NOT SHOWN ON PLAN	52A
	53	1	HEATED LOW TEMP HOLDING CABINET	ALTO-SHAAM	750-S	120	1	9.0	1.1		DR	5-15P							DOOR HINGED LEFT. REMOVE CASTERS	53
	54	1	FOOD PAN WARMER, COUNTERTOP	VOLLRATH	71001	120	1	5.8	0.7		DR	5-15P								54
	55	1	WORK TABLE, 84", STAINLESS STEEL TOP	JOHN BOOS	ST6R5-3084SBK															55
	56	1	WORK TABLE, 84", STAINLESS STEEL TOP	JOHN BOOS	ST6R5-3084SSK-X															56
	57	1	FAUCET, KETTLE / POT FILLER	T&S BRASS	B-0610								1/2"	1/2"					G.C. TO PROVIDE WALL BLOCKING.	57
	58	1	WORK TABLE, 60", STAINLESS STEEL TOP	JOHN BOOS	ST6R5-3060SSK-X															58
	59	1	SPARE NUMBERS	CUSTOM	SPARE NUMBER															59
	60	2	BUN / SHEET PAN RACK	LOCKWOOD	RA30-ER4E															60
	61-62	1	SPARE NUMBER	CUSTOM	SPARE NUMBER															61-62
	63	1	ONE (1) COMPARTMENT SINK	JOHN BOOS	1PB1620														CW CONNECTION FOR FUTURE VEGGIE WASH (NIC-BY OTHERS)	63
	63A	1	WALL / SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CC-CR								1/2"	1/2"					G.C. TO PROVIDE WALL BLOCKING.	63A
	63B	1	DRAIN, LEVER / TWIST WASTE	T&S BRASS	B-3990														NOT SHOWN ON PLAN	63B
	64	1	REACH-IN REFRIGERATOR	CONTINENTAL REFRIGERATOR	2RN	115	1	6.9		1/3	DR	5-15P								64
	65-66	1	SPARE NUMBERS	CUSTOM	SPARE NUMBER															65-66

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REVISIONS

DATE	BY	NO.	DESCRIPTION
9-9-22	SM	A	P&Es

TATTE
645 Massachusetts Ave
Arlington, MA 02476
Foodservice Equipment Drawings

PROJECT NUMBER: 22-226
DATE: 08/09/22
SCALE: NTS
DRAWN BY: SM
APPROVED BY: JV/MT

SHEET TITLE:
FOODSERVICE EQUIPMENT SCHEDULE

SHEET NUMBER:
QF101A

THIS DOCUMENT WAS ORIGINALLY PRINTED ON A 24" x 36" SIZE SHEET

NOTE: THE UTILITY SCHEDULE BELOW IS "PRELIMINARY ONLY" AND IS SUBJECT TO CHANGES DURING THE ONGOING DESIGN DEVELOPMENT OF THE PROJECT. FINAL FOOD SERVICE DRAWINGS WILL BE ISSUED ONCE THE PROJECT HAS BEEN FINALIZED WITH THE CUSTOMER.

UTILITY SCHEDULE

						ELECTRICAL							PLUMBING							
REV	ITEM NO.	QTY	ITEM DESCRIPTION	MFR	MODEL	VOLTS	PHASE	AMPS	KW	HP	CONN.	NEMA	CW	HW	IW	DW	GAS	MBTUH	REMARKS	ITEM NO.
A	67	9	WALK-IN SHELVING W/CASTERS	CENTAUR	EPOXY														4-TIER UNITS WITH 74" POSTS AND CASTERS; SIZES PER PLAN	67
	68	1	ICE MAKER, CUBE-STYLE	TRIMARK	KHM1000-2A1P	208	1	10.0			JBW		3/8"		3/4"					68
	68A	1	WATER FILTRATION SYSTEM, FOR ICE MACHINES	3M PURIFICATION	ICE140-S								3/8"						WITH ADDITIONAL REPLACEMENT CARTRIDGE	68A
	69	1	ICE BIN FOR ICE MACHINES	TRIMARK	KB500SS										3/4"					69
	70	1	HOT WATER HEATER	NIC	BY OWNER															70
	71	1	GARMENT RACK	EAGLE GROUP	2436C (3), CH36 (2), P96-C (4)															71
	72	1	LOCKER	WINHOLT	WL-618															72
A	73	19	STORAGE SHELVING	CENTAUR	CHROME														5-TIER UNITS WITH 86" POSTS WITH CASTERS; SIZES PER PLAN	73
	74	2	DISH ROOM/MOP AREA SHELVING	CENTAUR	EPOXY														5-TIER UNIT WITH 86" POSTS WITH CASTERS; SIZES PER PLAN	74
	75	1	SPARE NUMBER	CUSTOM	SPARE NUMBER															75
	76	1	MOP SINK	TRIMARK	KMS1											2"				76
	76A	1	SERVICE FAUCET	T&S BRASS	B-0665-BSTR								1/2"	1/2"					G.C. TO PROVIDE WALL BLOCKING	76A
	77	1	THREE (3) COMPARTMENT SINK	JOHN BOOS	3B18244-1D18R-X											(3) 2"			WITH LEVER WASTES AND SUPPORT ARM BRACKETS	77
	77A	1	PRE-RINSE FAUCET ASSEMBLY	T&S BRASS	B-0133-CR-BJ								1/2"	1/2"					WITH ADD-ON FAUCET	77A
	77B	3	DRAIN, LEVER / TWIST WASTE	T&S BRASS	B-3990														NOT SHOWN ON PLAN	77B
	78	1	CLEAN DISHTABLE	JOHN BOOS	CDT6-S48SBK-L															78
	79	3	WIRE WALL SHELVING	CENTAUR	C1430K														G.C. TO PROVIDE WALL BLOCKING.	79
	80	2	WALL SHELF WITH POT RACK	EAGLE GROUP	WSP1236														G.C. TO PROVIDE WALL BLOCKING.	80
	81	1	DISHWASHER, POT/PAN/UTENSIL, DOOR TYPE (NIC-BY OWNER)	NIC	CUSTOM XL-HTHH	208	3	62.0		3/4	JBW			1/2"	1-1/2"				CORNER CONFIGURATION. ALL TRADES MUST VERIFY UTILITY REQUIREMENTS WITH OWNER/G.C PRIOR TO ROUGH-INS USING LATEST SPEC SHEETS	81
	82	1	CONDENSATE HOOD (NIC-BY OTHERS)	CUSTOM	CUSTOM															82
	83	1	SOILED DISHTABLE	JOHN BOOS	SDT6-S48SBK-R															83
	83A	1	PRE-RINSE FAUCET ASSEMBLY	T&S BRASS	B-0133-CR-BJ								1/2"	1/2"					WITH WALL BRACKET. G.C. TO PROVIDE WALL BLOCKING.	83A
	83B	1	DISPOSER	SALVAJOR	200-SA-3-MRSS	208	3	6.6		2	JBW		1/2"			2"			WITH CONTROL MOUNT BRACKET AND DISPOSER SUPPORT LEG	83B
	83C	1	DISHTABLE SORTING SHELF	JOHN BOOS	BHS1822-TS-X														G.C. TO PROVIDE WALL BLOCKING.	83C
	84	4	SLIM JIM	NIC	BY OTHERS/SMALLWARES															84
	85	2	SHELVING, WALL MOUNTED	JOHN BOOS	BHS1236-16/304														G.C. TO PROVIDE WALL BLOCKING	85
	86	2	SHELVING, WALL MOUNTED	JOHN BOOS	BHS1248-16/304														G.C. TO PROVIDE WALL BLOCKING	86
	87	2	SHELVING, WALL MOUNTED	JOHN BOOS	BHS1260-16/304														G.C. TO PROVIDE WALL BLOCKING	87
	88	2	STORAGE SHELVING	CENTAUR	CHROME														3-TIER UNITS WITH 33" POSTS AND S/S TOP	88
	89	2	STORAGE SHELVING	CENTAUR	CHROME														3-TIER UNITS WITH 36" POSTS (CUT FROM 54") AND S/S TOP	89
	90-95	1	SPARE NUMBERS	CUSTOM	SPARE NUMBERS															90-95
	96	1	EQUIPMENT STAND, HEAVY DUTY	JOHN BOOS	CUSTOM														MINIMUM 36" WIDE X 36" DEEP (VERIFY). MUST BE RATED TO HANDLE THE WEIGHT OF ITEM #99 MIWE OVEN	96
	97	1	BLAST CHILLER FREEZER, REACH-IN	PREPRITE	PBF5.0	120	1	5.2			JBW								20A CIRCUIT AND #12 WIRE REQUIRED	97
	98	3	STORAGE SHELVING	CENTAUR	CHROME														3-TIER UNITS WITH 33" POSTS; NOT SHOWN ON PLAN	98
	99	1	BREAD OVEN	NIC	BY OTHERS	208	3	27.5	9.9		JBW		3/4"		3/4"				LEFT-HINGED. ALL TRADES MUST VERIFY UTILITY REQUIREMENTS USING LATEST SPEC SHEETS	99
	99A	1	EXHAUST HOOD FOR MIWE	NIC	BY OTHERS	X	X	X			JBH									99A
	99B	1	EXHAUST FAN & DUCTWORK	NIC	BY OTHERS	X	X	X			JBH								ALL TRADES MUST VERIFY UTILITY REQUIREMENTS	99B
	99C	1	SUPPLY FAN & DUCTWORK	NIC	BY OTHERS	X	X	X			JBH								ALL TRADES MUST VERIFY UTILITY REQUIREMENTS	99C
	99D	1	S/S WALL PANELING	NIC	BY OTHERS															99D
	99E	1	FIRE SUPPRESSION SYSTEM	NIC	BY OTHERS	X	X	X			JBH								ALL TRADES MUST VERIFY UTILITY REQUIREMENTS	99E

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REVISIONS

DATE	BY	NO.	DESCRIPTION
9-9-22	SM	A	P&Es

TATTE
645 Massachusetts Ave
Arlington, MA 02476
Foodservice Equipment Drawings

PROJECT NUMBER: 22-226
DATE: 08/09/22
SCALE: NTS
DRAWN BY: SM
APPROVED BY: JV/MT

SHEET TITLE: FOODSERVICE EQUIPMENT SCHEDULE

SHEET NUMBER: QF101B

THIS DOCUMENT WAS ORIGINALLY PRINTED ON A 24" x 36" SIZE SHEET

NOTE: THE UTILITY SCHEDULE BELOW IS "PRELIMINARY ONLY" AND IS SUBJECT TO CHANGES DURING THE ONGOING DESIGN DEVELOPMENT OF THE PROJECT. FINAL FOOD SERVICE DRAWINGS WILL BE ISSUED ONCE THE PROJECT HAS BEEN FINALIZED WITH THE CUSTOMER.

PLUMBING SCHEDULE

REV	ITEM NO.	QTY	ITEM DESCRIPTION	CW	CW STUB (-AFF)	HW	HW STUB (-AFF)	IW	DW	DW STUB (-AFF)	GAS SIZE	GAS STUB (-AFF)	MBTUH	PLUMBING REMARKS
	4	2	DROP-IN HAND SINK						1-1/2"	14"				
	4A	2	DECK MOUNT FAUCET	1/2"	16"	1/2"	16"							
	6	1	DROP-IN DUMP SINK					1-1/2"						
	6A	1	DECK MOUNT FAUCET	1/2"	16"	1/2"	16"							
	9	1	COFFEE TEA BREWER	3/8"	24"									P.C. SHALL VERIFY UTILITY LOCATIONS & HEIGHTS PRIOR TO ROUGH-INS.
	10	2	DROP-IN ICE BIN					1"						P.C. TO PIPE I.W. TO FLOOR DRAIN AS REQUIRED
	15	2	WATER DISPENSER W/BOILER	X	24"									P.C. SHALL VERIFY UTILITY LOCATIONS & HEIGHTS PRIOR TO ROUGH-INS.
	16	1	GLASS RINSER	X	24"			X						P.C. SHALL VERIFY UTILITY LOCATIONS & HEIGHTS PRIOR TO ROUGH-INS. P.C. TO PIPE I.W. TO FLOOR DRAIN AS REQUIRED
	17	1	ESPRESSO MACHINE	X	24"									P.C. SHALL VERIFY UTILITY LOCATIONS & HEIGHTS WITH G.C./OWNER PRIOR TO ROUGH-INS.
	32	3	HAND SINK						1-1/2"					
	32A	3	WALL / SPLASH MOUNT FAUCET	1/2"	26"	1/2"	26"							
	41	1	HOT FOOD WELL UNIT, DROP-IN, ELECTRIC					1/2"						P.C. TO PIPE I.W. TO FLOOR DRAIN AS REQUIRED
	49	1	GAS COUNTERTOP GRIDDLE								3/4"	18"	150.0	
	50	1	CHEESEMELTER, GAS								3/4"	72"	40.0	P..C SHALL COORDINATE FINAL HEIGHT AND LOCATION PRIOR TO ROUGH-INS WITH TRIMARK PM
	52	1	RANGE, 48", 8 OPEN BURNERS								3/4"	18"	261.0	P.C. TO PROVIDE 1" SUPPLY AND REDUCE TO 3/4" AT UNIT
	57	1	FAUCET, KETTLE / POT FILLER	1/2"	48"	1/2"	48"							P.C. SHALL VERIFY UTILITY LOCATIONS & HEIGHTS PRIOR TO ROUGH-INS.
	63	1	ONE (1) COMPARTMENT SINK											(1) SET OF 1" FAUCET HOLES, 8" CENTERS, 3-1/2" DRAIN OPENING
	63A	1	WALL / SPLASH MOUNT FAUCET	1/2"	16"	1/2"	16"							
	63B	1	DRAIN, LEVER / TWIST WASTE											2" NPT MALE THREAD, 1-1/2 NPT FEMALE THREAD OUTLET
	68	1	ICE MAKER, CUBE-STYLE	3/8"	VERIFY			3/4"						P.C. TO INTERPIPE CW FROM ITEM 68A. P.C. TO PIPE I.W. TO FLOOR DRAIN AS REQUIRED. P.C. SHALL VERIFY UTILITY LOCATIONS & HEIGHTS PRIOR TO ROUGH-INS.
	68A	1	WATER FILTRATION SYSTEM, FOR ICE MACHINES	3/8"	60"									P.C. TO INTERPIPE CW FROM ITEM 68
	69	1	ICE BIN FOR ICE MACHINES					3/4"						P.C. TO PIPE I.W. TO FLOOR DRAIN AS REQUIRED
	76	1	MOP SINK						2"					
	76A	1	SERVICE FAUCET	1/2"		1/2"								
	77	1	THREE (3) COMPARTMENT SINK						(3) 2"					P.C. SHALL MANIFOLD DRAINS FOR SINGLE WASTE CONNECTION PER LOCAL CODE
	77A	1	PRE-RINSE FAUCET ASSEMBLY	1/2"	16"	1/2"	16"							
	77B	3	DRAIN, LEVER / TWIST WASTE											2" NPT MALE THREAD, 1-1/2 NPT FEMALE THREAD OUTLET
	81	1	DISHWASHER, POT/PAN/UTENSIL, DOOR TYPE (NIC-BY OWNER)			1/2"	12"	1-1/2"						P..C SHALL COORDINATE FINAL HEIGHT AND LOCATION PRIOR TO ROUGH-INS WITH OWNER/G.C. P.C. TO PIPE I.W. TO FLOOR DRAIN AS REQUIRED
	83	1	SOILED DISHTABLE											(1) SET OF 1" FAUCET HOLES, 8" CENTERS, 3-1/2" DRAIN OPENING
	83A	1	PRE-RINSE FAUCET ASSEMBLY	1/2"	16"	1/2"	16"							
	83B	1	DISPOSER	1/2"	16"				2"	12"				P.C. SHALL VERIFY UTILITY LOCATIONS & HEIGHTS PRIOR TO ROUGH-INS.
	99	1	BREAD OVEN	3/4"	60"			3/4"						P.C. SHALL VERIFY UTILITY LOCATIONS & HEIGHTS PRIOR TO ROUGH-INS. P.C. TO PIPE I.W. TO FLOOR DRAIN AS REQUIRED

ELECTRICAL SCHEDULE

REV	ITEM NO.	QTY	ITEM DESCRIPTION	VOLTS	PH	AMPS	KW	HP	CONN.	NEMA	STUB (-AFF)	ELECTRICAL REMARKS
	1	3	POS	120	1	20.0			DR	5-20P	VERIFY	MOUNT OUTLET IN BASE OF CABINET. E.C. TO VERIFY UTILITY REQUIREMENTS
	2	1	DISPLAY CASE, REFRIGERATED BAKERY	120	1	10.5	1.26	1/2	DR	5-15P	16"	MOUNT OUTLET IN BASE OF CABINET. E.C. TO VERIFY UTILITY REQUIREMENTS
	3	1	REFRIGERATED SELF-SERVICE UNDER COUNTER HEIGHT CASE	110-120	1	12.0	1.053		DR	5-15P	16"	
	5	1	UNDERCOUNTER REFRIGERATOR	115	1	4.8		1/4	DR	5-15P	16"	
	8	3	COFFEE GRINDER	120	1	20.0		3/4	DR	5-20P	X	BELOW COUNTERTOP. E.C. SHALL VERIFY WITH OWNER FINAL HEIGHT AND LOCATION PRIOR TO ROUGH IN.
	9	1	COFFEE TEA BREWER	220	1	34.5			SP	14-50P	24"	STRAIGHT BLADE, 4 WIRE. E.C. SHALL VERIFY WITH OWNER FINAL HEIGHT AND LOCATION PRIOR TO ROUGH IN.
	12	1	UNDERCOUNTER REFRIGERATOR	115	1	1.5		3/8	DR	5-15P	16"	E.C. SHALL VERIFY WITH OWNER FINAL HEIGHT AND LOCATION PRIOR TO ROUGH IN.
	15	2	WATER DISPENSER W/BOILER	230	1	VERIFY	2.8		SP	L6-20P	24'	E.C. TO VERIFY UTILITY REQUIREMENTS PRIOR TO ROUGH-INS
	17	1	ESPRESSO MACHINE	240	1	50.0			SP	6-15P	24'	E.C. SHALL VERIFY WITH OWNER FINAL HEIGHT AND LOCATION PRIOR TO ROUGH IN.
	19	1	UNDERCOUNTER REFRIGERATOR	115	1	2.46		1/5	DR	5-15P	16"	E.C. SHALL VERIFY WITH OWNER FINAL HEIGHT AND LOCATION PRIOR TO ROUGH IN.
	30	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	115	1	5.8		1/3	DR	5-15P	16"	
	30A	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	115	1	4.5		1/4	DR	5-15P	16"	E.C. SHALL RUN POWER DOWN ELECTRICAL CHASE AND MAKE ALL FINAL CONNECTIONS AS REQUIRED
	31	2	PANINI GRILL	208/240	1	12.0/14.0	3.0		SP	6-20P	24"	
	34	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	115	1	2.46		1/5	DR	5-15P	16"	
	35	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	115	1	6.1		1/3	DR	5-15P	16"	
	36	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	115	1	6.1		1/3	DR	5-15P	16"	
	38	2	MICROWAVE OVEN	120	1	13.4	1		DR	5-15P	16", 60"	E.C. SHALL RUN POWER DOWN ELECTRICAL CHASE AND MAKE ALL FINAL CONNECTIONS AS REQUIRED (FOR THE UNIT THAT IS ON THE OVERSHELF)
	41	1	HOT FOOD WELL UNIT, DROP-IN, ELECTRIC	120	1	13.5	1.65		DR	5-15P	16"	E.C. SHALL RUN POWER DOWN ELECTRICAL CHASE AND MAKE ALL FINAL CONNECTIONS AS REQUIRED
	46	1	EXHAUST HOOD	X	X	X			JBH		VERIFY	E.C. TO VERIFY UTILITY REQUIREMENTS WITH G.C./OWNER PRIOR TO ROUGH-INS
	46A	1	EXHAUST FAN & DUCTWORK	X	X	X			JBH		VERIFY	E.C. TO VERIFY UTILITY REQUIREMENTS WITH G.C./OWNER PRIOR TO ROUGH-INS
	46B	1	SUPPLY FAN & DUCTWORK	X	X	X			JBH		VERIFY	E.C. TO VERIFY UTILITY REQUIREMENTS WITH G.C./OWNER PRIOR TO ROUGH-INS
	46D	1	FIRE SUPPRESSION SYSTEM	X	X	X			JBH		VERIFY	E.C. TO VERIFY UTILITY REQUIREMENTS WITH G.C./OWNER PRIOR TO ROUGH-INS
	48	1	REFRIGERATED WORK TOP	115	1	2.46		1/5	DR	5-15P	16"	
	53	1	HEATED LOW TEMP HOLDING CABINET	120	1	9.0	1.1		DR	5-15P	16"	
	54	1	FOOD PAN WARMER, COUNTERTOP	120	1	5.8	0.7		DR	5-15P	48"	
	64	1	REACH-IN REFRIGERATOR	115	1	6.9		1/3	DR	5-15P	60"	
	68	1	ICE MAKER, CUBE-STYLE	208	1	10.0			JBW		84"	E.C. TO VERIFY CONNECTION HEIGHT AND UTILITY REQUIREMENTS WITH G.C./TRIMARK PM PRIOR TO ROUGH-INS
	81	1	DISHWASHER, POT/PAN/UTENSIL, DOOR TYPE (NIC-BY OWNER)	208	3	62.0		3/4	JBW		24"	E.C. TO VERIFY CONNECTION HEIGHT AND UTILITY REQUIREMENTS WITH OWNER PRIOR TO ROUGH-INS
	83B	1	DISPOSER	208	3	6.6		2	JBW		16"	E.C. TO INTERWIRE TO CONTROL PANEL
	97	1	BLAST CHILLER FREEZER, REACH-IN	120	1	5.2			JBW		16"	E.C. TO VERIFY UTILITY REQUIREMENTS PRIOR TO ROUGH-INS. 20A CIRCUIT, #12 WIRE REQUIRED
	99	1	BREAD OVEN	208	3	27.5	9.9		JBW		48"	E.C. TO VERIFY UTILITY REQUIREMENTS PRIOR TO ROUGH-INS
	99A	1	EXHAUST HOOD FOR MIWE	X	X	X			JBH		DFA	E.C. TO VERIFY UTILITY REQUIREMENTS
	99B	1	EXHAUST FAN & DUCTWORK	X	X	X			JBH		DFA	E.C. TO VERIFY UTILITY REQUIREMENTS
	99C	1	SUPPLY FAN & DUCTWORK	X	X	X			JBH		DFA	E.C. TO VERIFY UTILITY REQUIREMENTS
	99E	1	FIRE SUPPRESSION SYSTEM	X	X	X			JBH		DFA	E.C. TO VERIFY UTILITY REQUIREMENTS

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Foodservice Equipment, Supplies and Design
UNITED EAST

9 Hampshire St
Mansfield, MA 02048
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DATE	BY	NO.	DESCRIPTION
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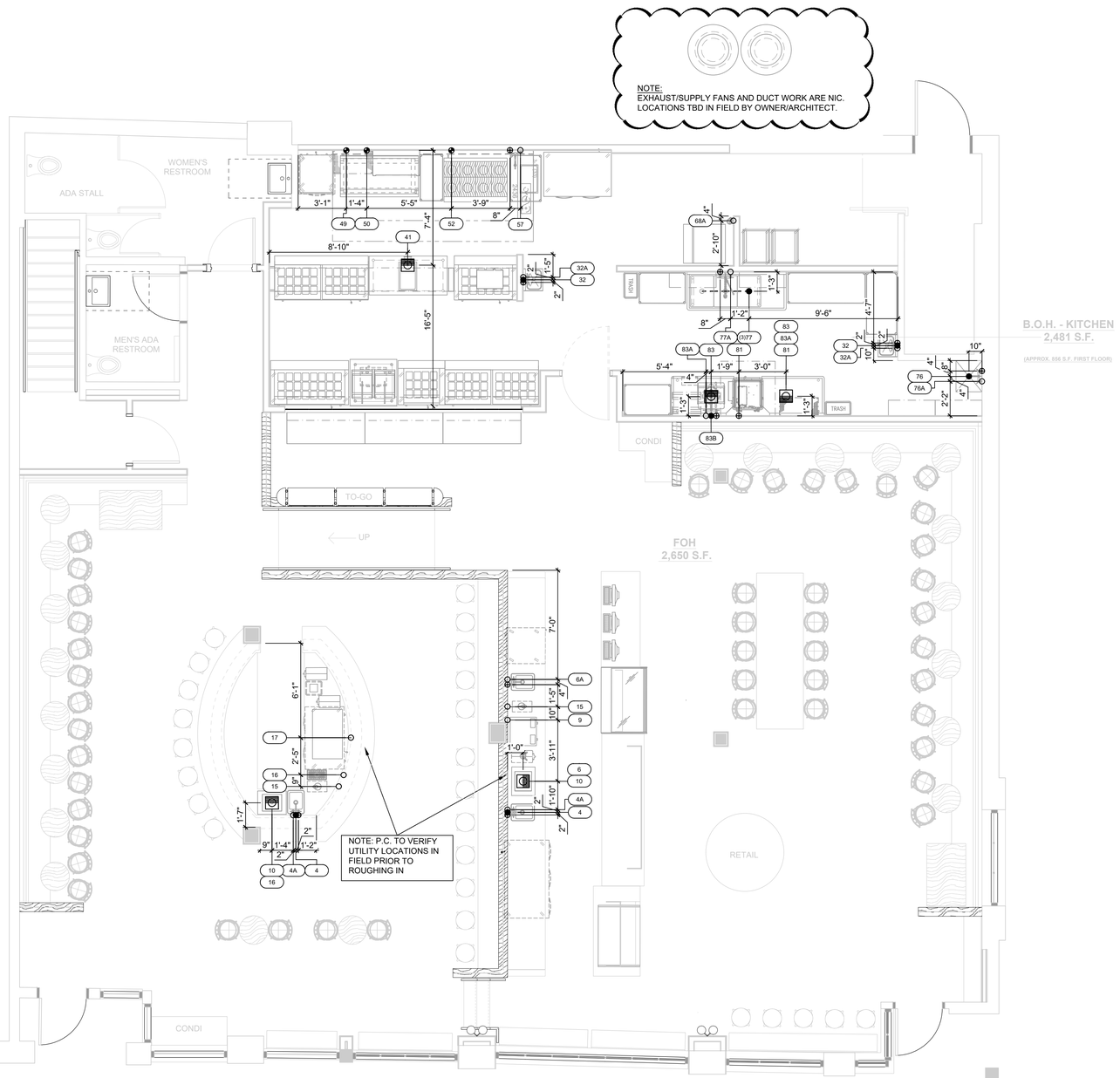
TATTE
645 Massachusetts Ave
Arlington, MA 02476
Foodservice Equipment Drawings

PROJECT NUMBER: 22-226
DATE: 08/09/22
SCALE: NTS
DRAWN BY: SM
APPROVED BY: JV/MT

SHEET TITLE:
FOODSERVICE PLUMBING & ELECTRICAL SCHEDULES

SHEET NUMBER:
QF102

THIS DOCUMENT WAS ORIGINALLY PRINTED ON A 24" x 36" SIZE SHEET



PLUMBING LEGEND

- COLD WATER
- HOT WATER
- DIRECT WASTE
- FLOOR SINK - PARTIAL GRATE
- GAS DROP FROM MANIFOLD
- FILTERED WATER

FOODSERVICE PLUMBING ROUGH-IN PLAN- MAIN LEVEL

SCALE: 1/4" - 1' - 0"

FOODSERVICE DRAWINGS INDICATE PLUMBING ROUGH-IN/CONNECTION POINTS ONLY FOR EQUIPMENT SPECIFIED UNDER THE KITCHEN EQUIPMENT (SECTION 114000) CONTRACT. ANY ADDITIONAL PLUMBING REQUIREMENTS ARE NOT INDICATED ON FOODSERVICE DRAWINGS. THE PLUMBING CONTRACTOR (DIVISION 22) SHALL FURNISH AND INSTALL PRESSURE REDUCING VALVES, FLOW CONTROLS, BACK FLOW PREVENTION, RPZ (REDUCED PRESSURE ZONE) VALVES, WATER HAMMER ARRESTOR, GATE VALVES, FOR WATER CONNECTIONS AS REQUIRED PER LOCAL CODES.

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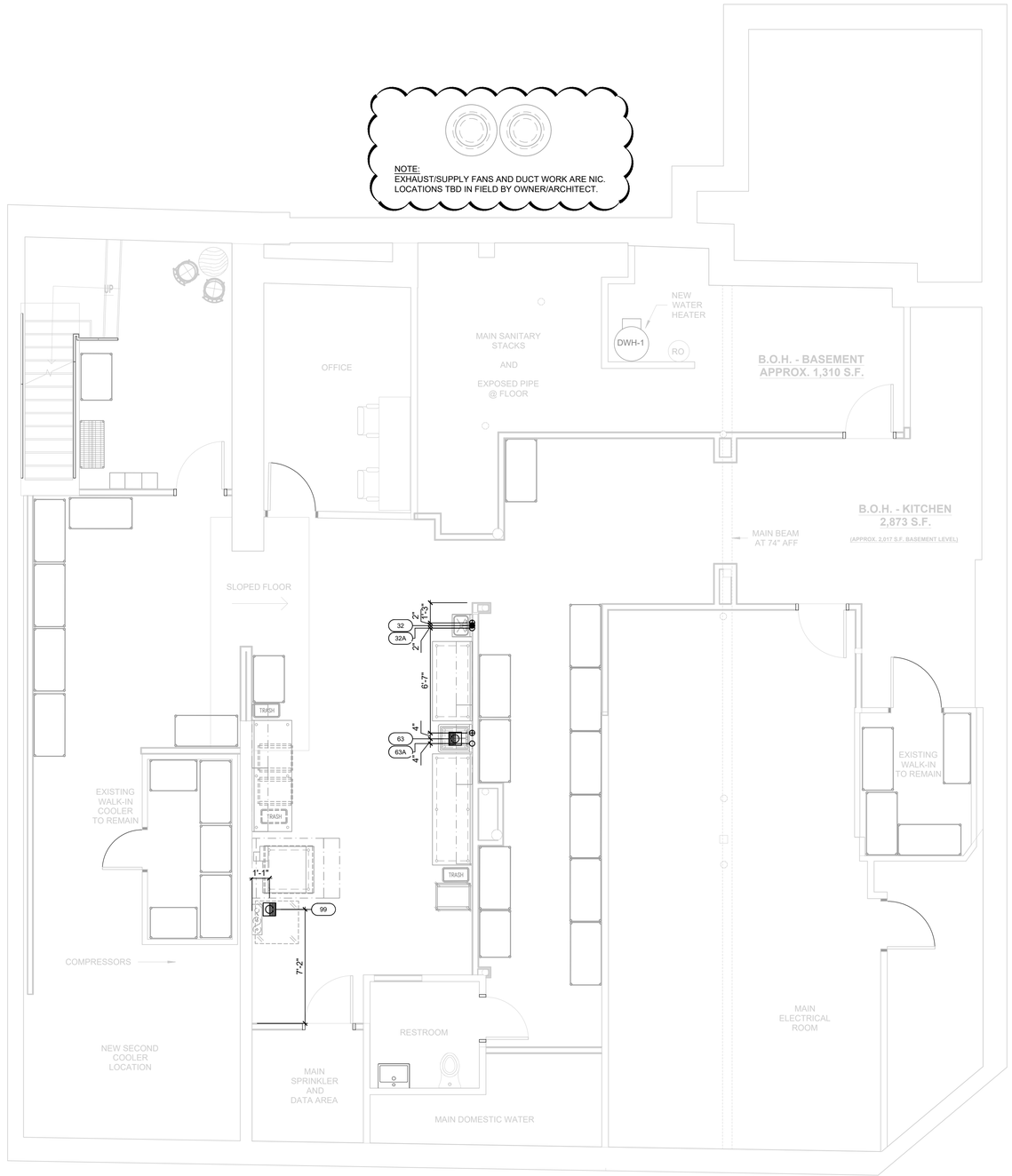
TATTE
645 Massachusetts Ave
Arlington, MA 02476
Foodservice Equipment Drawings

PROJECT NUMBER:	22-226
DATE:	08/09/22
SCALE:	1/4" = 1'-0"
DRAWN BY:	SM
APPROVED BY:	JV/MT

SHEET TITLE:
FOODSERVICE PLUMBING ROUGH-IN PLAN

SHEET NUMBER:
QF200A

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PLUMBING LEGEND

- ○ COLD WATER
- ⊕ HOT WATER
- ● DIRECT WASTE
- FLOOR SINK - PARTIAL GRATE
- GAS DROP FROM MANIFOLD
- Ⓕ FILTERED WATER

FOODSERVICE PLUMBING ROUGH-IN PLAN- BASEMENT LEVEL

SCALE: 1/4" - 1' - 0"

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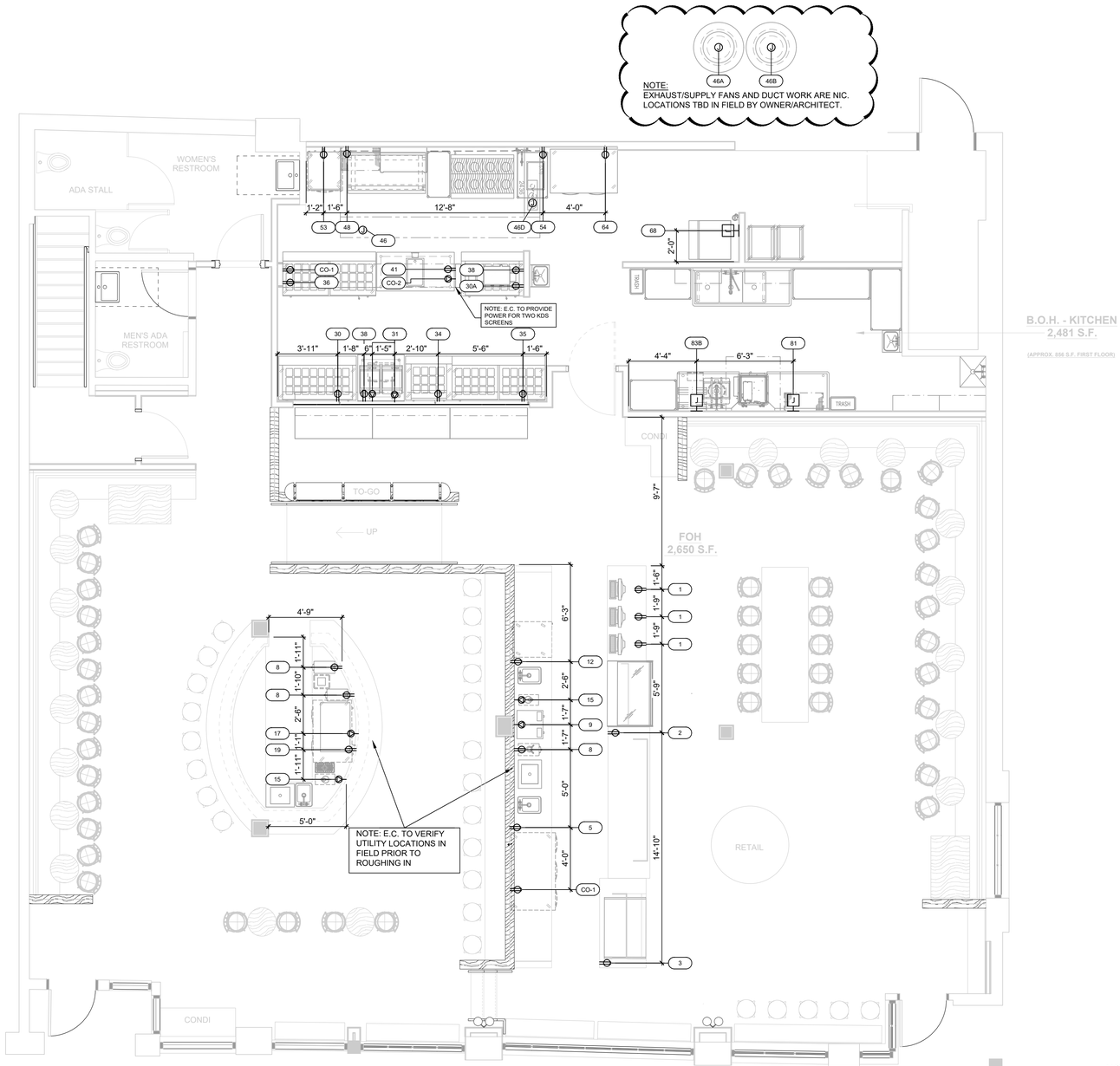
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PROJECT NUMBER: 22-226
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SCALE: 1/4" = 1'-0"
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SHEET TITLE: FOODSERVICE PLUMBING ROUGH-IN PLAN

SHEET NUMBER: QF200B

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ELECTRICAL LEGEND

- DUPLEX RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- JUNCTION BOX - WALL MOUNTED
- (J) JUNCTION BOX - CEILING MOUNTED

FOODSERVICE ELECTRICAL ROUGH-IN PLAN- MAIN LEVEL

SCALE: 1/4" - 1' - 0"

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NOTE: G.C./E.C. TO VERIFY ALL CONVENIENCE OUTLETS W/OWNER.

CONVENIENCE OUTLET SCHEDULE

ID NO.	QTY.	RECEPTACLE TYPE	NEMA	HGT AFF
CO-1	2	DUPLEX RECEPTACLE	5-15P	VERIFY
CO-2	1	SPECIAL RECEPTACLE	6-20P	VERIFY

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9-9-22	SM	A	P&Es

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PROJECT NUMBER: 22-226

DATE: 08/09/22

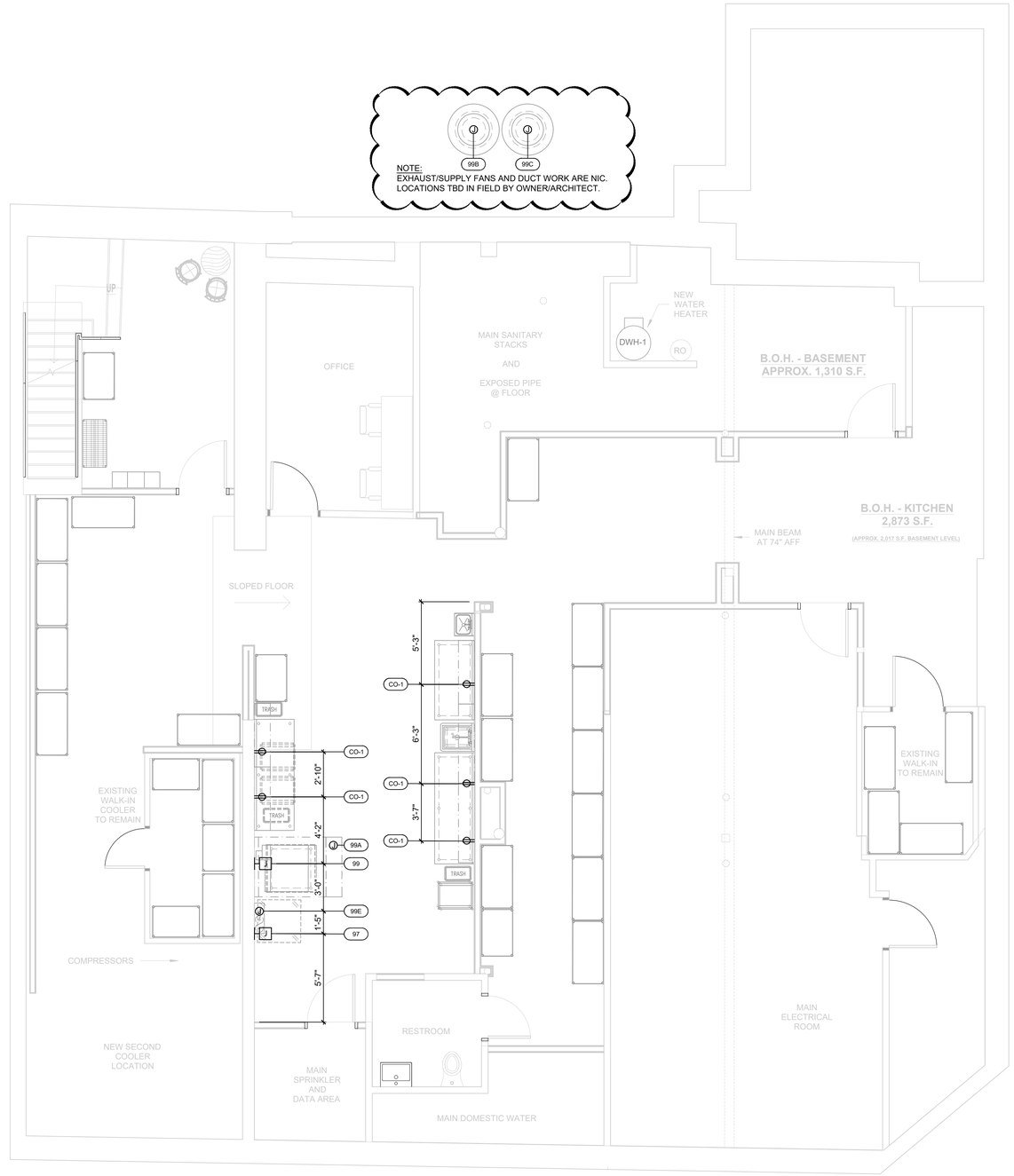
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SHEET TITLE: FOODSERVICE ELECTRICAL ROUGH-IN PLAN

SHEET NUMBER: QF300A

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ELECTRICAL LEGEND

- DUPLEX RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- JUNCTION BOX - WALL MOUNTED
- JUNCTION BOX - CEILING MOUNTED

FOODSERVICE ELECTRICAL ROUGH-IN PLAN- BASEMENT LEVEL

SCALE: 1/4" - 1' - 0"

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NOTE: G.C./E.C. TO VERIFY ALL CONVENIENCE OUTLETS W/OWNER.

CONVENIENCE OUTLET SCHEDULE

ID NO.	QTY.	RECEPTACLE TYPE	NEMA	HGT AFF
CO-1	4	DUPLEX RECEPTACLE	5-15P	VERIFY

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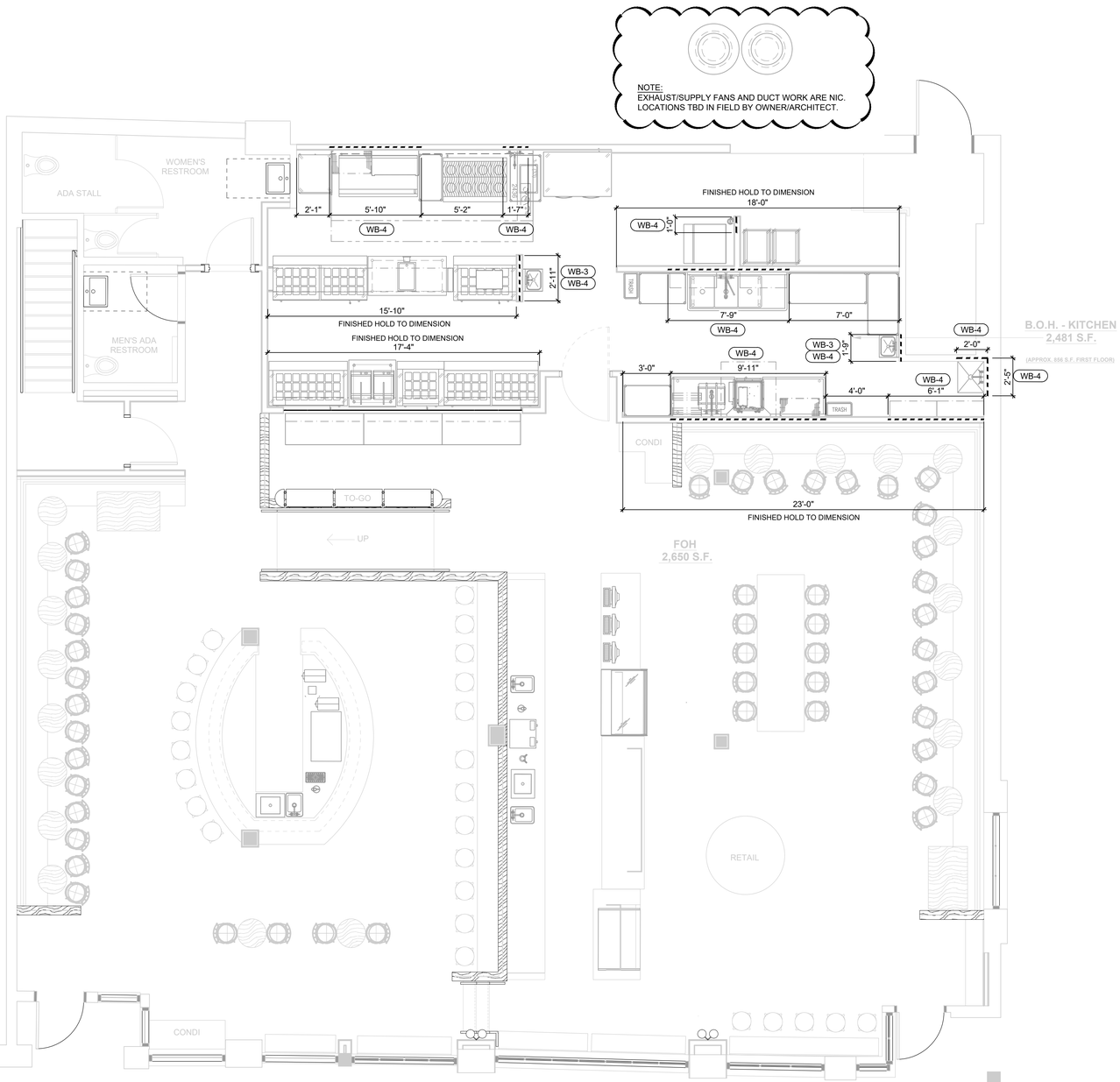
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DATE: 08/09/22
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SHEET TITLE: FOODSERVICE ELECTRICAL ROUGH-IN PLAN

SHEET NUMBER: QF300B

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FOODSERVICE SPECIAL CONDITIONS PLAN- MAIN LEVEL

SCALE: 1/4" - 1' - 0"

WALL BLOCKING SCHEDULE

WB-1	FROM 12" AFF TO 24" AFF
WB-2	FROM 16" AFF TO 28" AFF
WB-3	FROM 24" AFF TO 48" AFF
WB-4	FROM 48" AFF TO 84" AFF
WB-5	FROM 60" AFF TO 84" AFF
WB-6	FROM 72" AFF TO CEILING
WB-7	FROM 84" AFF TO 102" AFF

NOTE: ALL WALL BLOCKING TO BE 5/8" FIRE RATED/TREATED PLYWOOD MINIMUM OR 18GA METAL WHERE REQUIRED.

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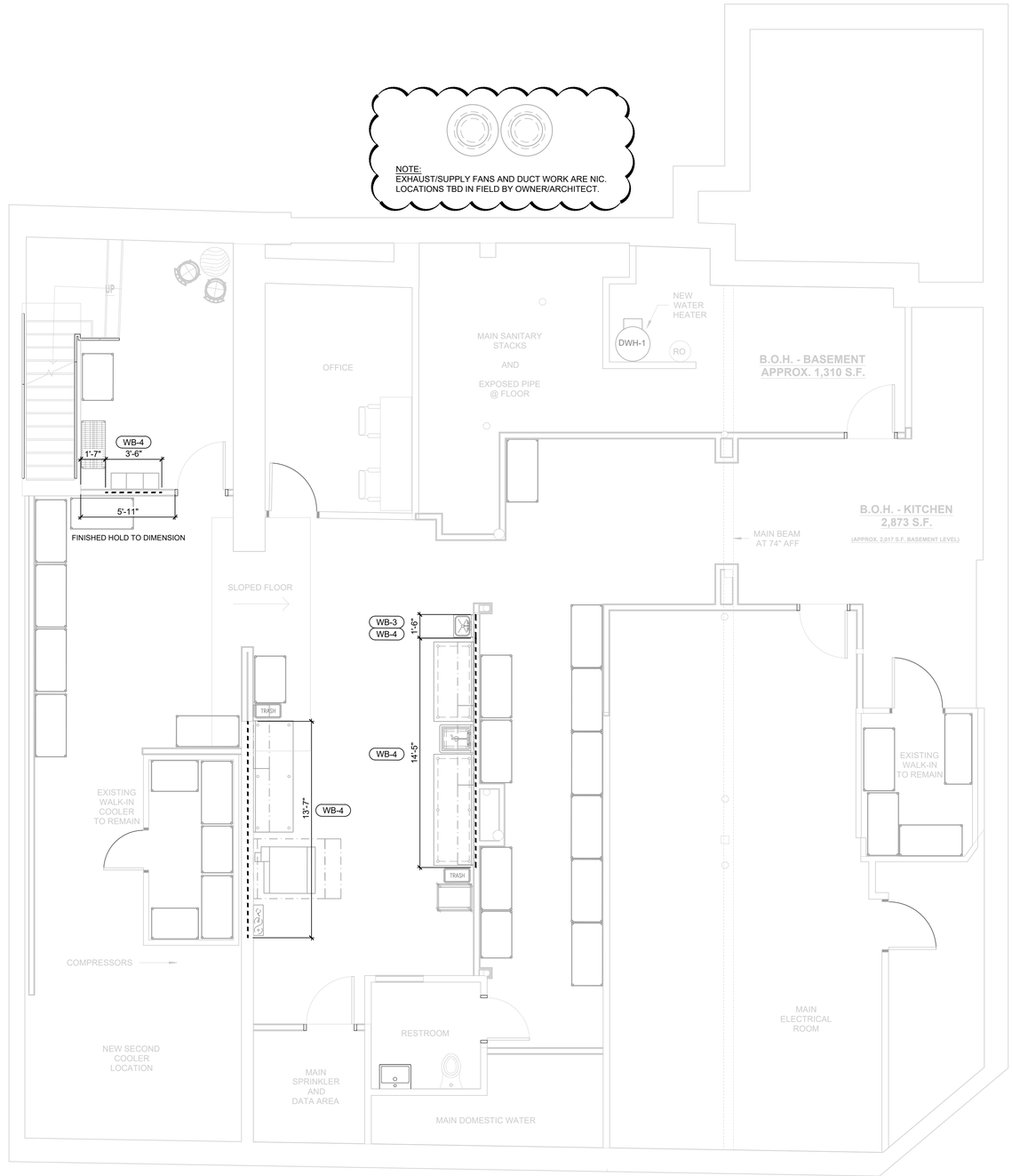
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SHEET TITLE: FOODSERVICE SPECIAL CONDITIONS PLAN

SHEET NUMBER: QF400A

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FOODSERVICE SPECIAL CONDITIONS PLAN-BASEMENT LEVEL

SCALE: 1/4" - 1' - 0"

WALL BLOCKING SCHEDULE

WB-1	FROM 12" AFF TO 24" AFF
WB-2	FROM 16" AFF TO 28" AFF
WB-3	FROM 24" AFF TO 48" AFF
WB-4	FROM 48" AFF TO 84" AFF
WB-5	FROM 60" AFF TO 84" AFF
WB-6	FROM 72" AFF TO CEILING
WB-7	FROM 84" AFF TO 102" AFF

NOTE: ALL WALL BLOCKING TO BE 5/8" FIRE RATED/TREATED PLYWOOD MINIMUM OR 18GA METAL WHERE REQUIRED.

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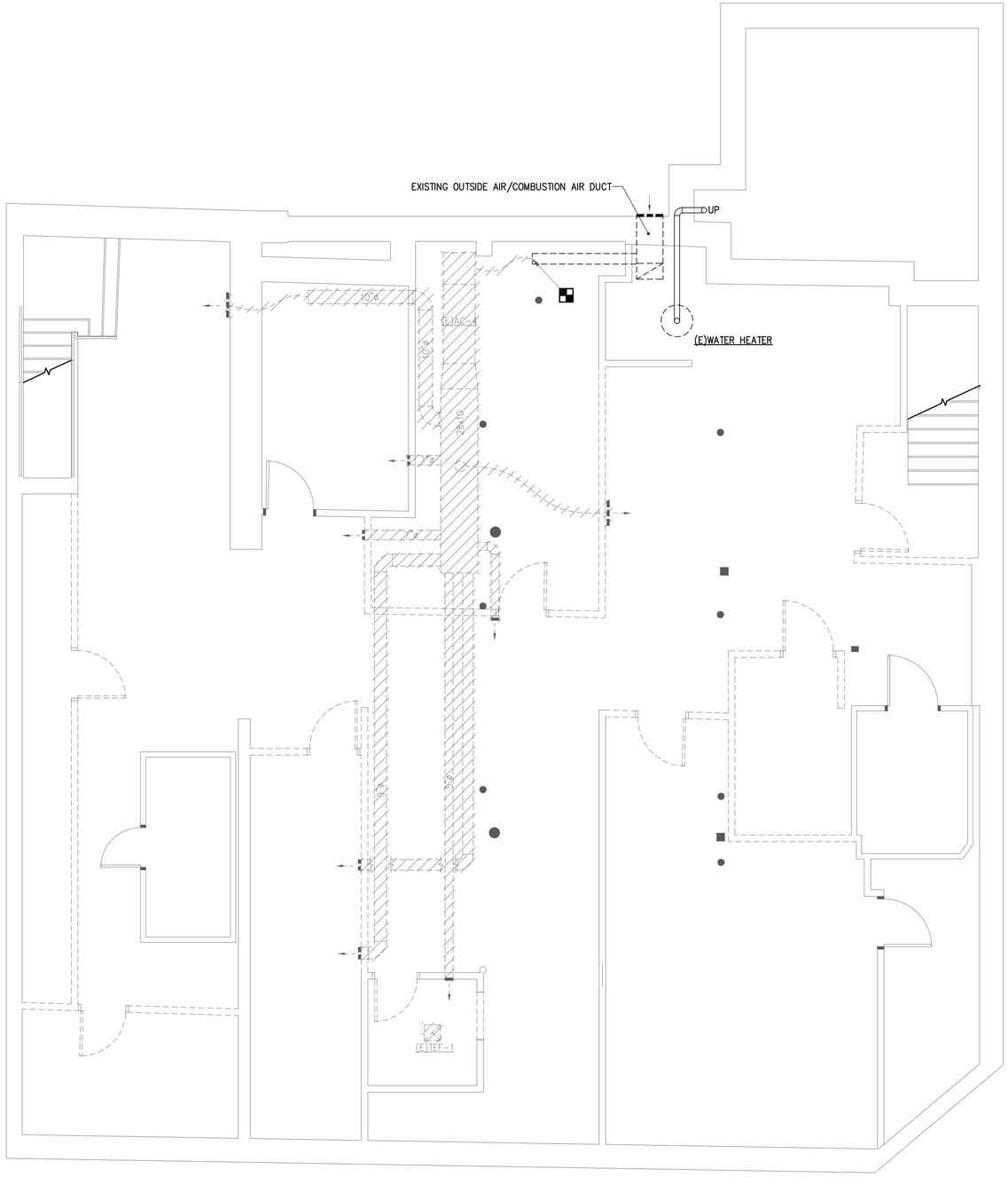
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DATE: 08/09/22
SCALE: 1/4" = 1'-0"
DRAWN BY: SM
APPROVED BY: JV/MT

SHEET TITLE: FOODSERVICE SPECIAL CONDITIONS PLAN

SHEET NUMBER: QF400B

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PLUMBING DEMOLITION NOTES:

1. REMOVE ALL DOMESTIC WATER BACK TO MAIN/VALVE AS IT ENTERS THE SPACE AND CAP FOR EXTENSION FOR FUTURE NEW WORK.
2. EXISTING WATER HEATER IN BASEMENT TO REMAIN.
3. REMOVE ALL SANITARY PIPING BACK TO MAIN/RISER AND CAP FOR EXTENSION FOR FUTURE NEW WORK.
4. REMOVE ALL GAS PIPING BACK TO MAIN / VALVE AS IT ENTERS THE SPACE AND CAP FOR EXTENSION FOR FUTURE NEW WORK. REMOVE ALL GAS COOKING EQUIPMENT.
5. PLUMBING AND KITCHEN FIXTURES SHALL BE REMOVED IN THEIR ENTIRETY.

DEMOLITION PLAN - BASEMENT

SCALE: 1/4" = 1' - 0"

SCALE: 1/4" = 1'-0"

0 4' 8'

NORTH ARROWS:

PLAN NORTH

TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

McMahon architects
535 ALBANY STREET
BOSTON, MA 02118
T 617.482.5353
www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE:	As indicated
DRAWN BY:	AK/KK/SM
CHECKED BY:	AK/KK/SW
JOB NO:	2022-3904

SHEET TITLE:

MECHANICAL & PLUMBING BASEMENT DEMOLITION PLAN

STAMP:

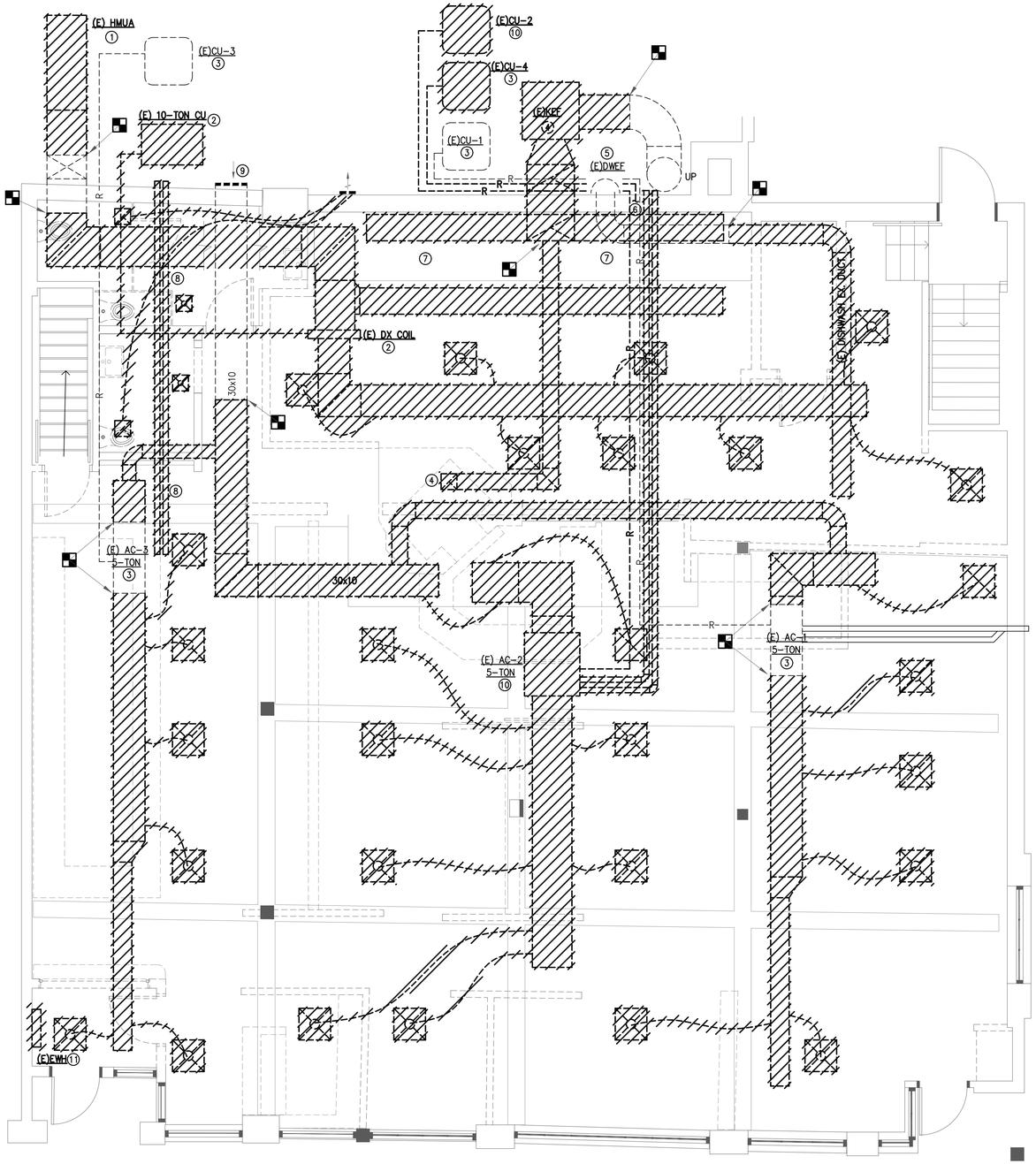
COMMONWEALTH OF MASSACHUSETTS
ADAM B. KOPEL
No. 51186
REGISTERED PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
LICENSE No: 51186
EXPIRATION DATE: 06/30/24

PROJECT No. : 0721-18

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

MPD001



DEMOLITION PLAN - 1ST FLOOR

SCALE: 1/4" = 1'-0"

NOTES:

1. REMOVE EXISTING MAKEUP AIR UNIT IN ITS ENTIRETY.
2. REMOVE EXISTING CONDENSING UNIT AND DX COOLING COIL IN ITS ENTIRETY.
3. EXISTING AC UNIT AND CONDENSING UNIT TO REMAIN. RELOCATE EXISTING AC UNIT PER NEW WORK PLANS.
4. REMOVE EXISTING PIZZA OVEN AND ASSOCIATED DUCTWORK AS SHOWN.
5. EXISTING DISHWASH EXHAUST FAN TO REMAIN.
6. REFRIGERANT PIPING FROM (E) CU-4 TO AC-4 IN BASEMENT.
7. REMOVE EXISTING HOOD.
8. REMOVE EXISTING ABANDONED FLUES AND PATCH WALL AS REQUIRED.
9. REMOVE EXISTING SHEET METAL OVER INTAKE LOUVER. CONTRACTOR SHALL VERIFY OUTSIDE AIR INTAKE LOUVER IS INSTALLED BEHIND SHEET METAL. CONTRACTOR SHALL PROVIDE IF NECESSARY. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
10. REMOVE EXISTING AC-2/CU-2 IN ITS ENTIRETY INCLUDING PIPING, FLUES, CONTROLS, ETC.
11. REMOVE EXISTING ELECTRIC WALL HEATER IN ITS ENTIRETY.

GENERAL DEMOLITION NOTES:

1. REMOVE ALL EXISTING DIFFUSERS, RETURN GRILLES AND FLEX DUCTS IN THEIR ENTIRETY.
2. REMOVE ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTS FROM AC UNITS.
3. AC UNITS, PIPING, FLUES, CONDENSING UNITS ARE TO REMAIN.

BASEMENT DEMOLITION NOTES:

1. REMOVE ALL EXISTING DIFFUSERS, RETURN GRILLES AND FLEX DUCTS IN THEIR ENTIRETY.
2. REMOVE ALL SUPPLY, RETURN AND OUTSIDE AIR DUCTS FROM AC UNITS.
3. AC UNITS, PIPING, FLUES, CONDENSING UNITS ARE TO REMAIN.

PLUMBING DEMOLITION NOTES:

1. REMOVE ALL DOMESTIC WATER BACK TO MAIN/VALVE AS IT ENTERS THE SPACE AND CAP FOR EXTENSION FOR FUTURE NEW WORK.
2. EXISTING WATER HEATER IN BASEMENT TO REMAIN.
3. REMOVE ALL SANITARY PIPING BACK TO MAIN/RISER AND CAP FOR EXTENSION FOR FUTURE NEW WORK.
4. REMOVE ALL GAS PIPING BACK TO MAIN / VALVE AS IT ENTERS THE SPACE AND CAP FOR EXTENSION FOR FUTURE NEW WORK. REMOVE ALL GAS COOKING EQUIPMENT.
5. PLUMBING AND KITCHEN FIXTURES SHALL BE REMOVED IN THEIR ENTIRETY.

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NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

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645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

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SCALE:	As indicated
DRAWN BY:	AK/KK/SM
CHECKED BY:	AK/KK/SW
JOB NO:	2022-3904

SHEET TITLE:

MECHANICAL & PLUMBING
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PLAN

STAMP:

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ADAM R. WOLF
No. 51186
REGISTERED PROFESSIONAL ENGINEER

MPD002

MECHANICAL SPECIFICATIONS

GENERAL: THE CONTRACTOR SHALL VISIT SITE PRIOR TO BID AND SHALL INDICATE TO OWNER ALL ITEMS EXCLUDED FROM BID. CONTRACTOR SHALL PROVIDE ALL ITEMS, MATERIALS, OPERATIONS OR METHODS LISTED, MENTIONED OR SCHEDULED ON THE DRAWINGS AND/OR SPECIFIED HEREIN, INCLUDING ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY AND REQUIRED FOR THEIR COMPLETION. THE COMPLETE INSTALLATION AS A WHOLE SHALL BE LEFT READY FOR SATISFACTORY OPERATION.

THE CONTRACTOR SHALL LAYOUT HIS OWN WORK AND SHALL ASSUME RESPONSIBILITY FOR ALL LINES, ELEVATIONS, INVERTS AND MEASUREMENTS OF WORK EXECUTED BY HIM. CONTRACTOR SHALL EXERCISE EVERY PRECAUTION TO VERIFY FIGURES SHOWN ON THE DRAWINGS BEFORE LAYING OUT WORK AND SHALL BE RESPONSIBLE FOR ANY ERROR RESULTING FROM FAILURE TO EXERCISE SUCH PRECAUTIONS.

ELECTRICAL FOR MECHANICAL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ELECTRICAL DRAWINGS.

PAINTING OF MECHANICAL EQUIPMENT AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE PAINTING SECTIONS OF THE ARCHITECTURAL SPECIFICATIONS.

ITEMS REMOVED: COORDINATE WITH OWNER FOR ITEMS TO BE TURNED OVER TO THE OWNER/ LANDLORD. OTHER ITEMS INDICATED TO BE REMOVED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A SAFE AND LEGAL MANNER, IF NOT INDICATED TO BE RE-USED.

SHOP DRAWINGS SHALL BE SUBMITTED ON THE FOLLOWING ITEMS, IF THE MANUFACTURER AND MODEL NUMBERS INDICATED ARE NOT PROVIDED:

AIR BALANCE REPORT	KITCHEN EXHAUST DUCTWORK AND INSULATION
DIFFUSERS, REGISTERS & GRILLES	TEMPERATURE CONTROLS
DOAS	KITCHEN EXHAUST DUCTWORK AND INSULATION
FANS (KEF, TEF, DWEF, ETC.)	–
SPLIT SYSTEM HEAT PUMPS	–

WARRANTY FOR ALL EQUIPMENT FURNISHED UNDER THESE SPECIFICATIONS SHALL BE ONE (1) YEAR FROM DATE OF OCCUPANCY, UNLESS A LONGER PERIOD IS SPECIFIED HEREINAFTER OR LONGER PERIOD IS STANDARD WITH MANUFACTURER.

START-UP AIR CONDITIONING UNIT. IN ACCORDANCE WITH THE MANUFACTURER'S START-UP INSTRUCTIONS. TEST CONTROLS AND DEMONSTRATE COMPLIANCE WITH REQUIREMENTS. PROVIDE DEMONSTRATION OF SYSTEM TO OWNER, LASTING UP TO TWO HOURS.

IF AIR CONDITIONING UNIT ARE OPERATED DURING CONSTRUCTION, THE FILTERS SHALL BE REPLACED JUST BEFORE ACCEPTANCE.

DUCTWORK FOR AIR CONDITIONING AND HEATING SHALL CONFORM TO THE REQUIREMENTS OF SMACNA "HVAC DUCT CONSTRUCTION STANDARD" AND LOCAL CODES. ALL DUCTWORK SHALL BE GALVANIZED SHEET STEEL. FABRICATE DUCT FITTINGS TO MATCH ADJOINING DUCTS AND FABRICATE ELBOWS WITH CENTERLINE RADIUS EQUAL TO ASSOCIATED DUCT WIDTH; AND FABRICATE TO INCLUDE TURNING VANES IN ELBOWS WHERE SHORTER RADIUS IS NECESSARY, LIMIT ANGULAR TAPERS TO 30 DEGREES FOR CONTRACTING TAPERS AND 20 DEGREES FOR EXPANDING TAPERS.

FLEXIBLE DUCTWORK PROVIDE FACTORY PRE-INSULATED MATERIAL FOR ALL FLEXIBLE DUCTWORK IN THE SYSTEM CONSISTING OF A GALVANIZED SPRING BONDED TO THE INTERIOR LINER, ONE INCH THICK 0.75 POUNDS/CUBIC FOOT FIBERGLASS INSULATION AND A LAMINATED VAPOR BARRIER JACKET CONSISTING OF FIBERGLASS REINFORCED METALIZED FILM OR VINYL OR SYNTHETIC FILM. FASTEN TO DUCTS AND DIFFUSERS WITH BANDS AND TAPE. MAKE COLLARS AT MANUAL DAMPERS LONG ENOUGH SO THAT DAMPER OPERATOR IS NOT COVERED BY FLEXIBLE DUCTWORK. COLLARS TO WHICH FLEXIBLE DUCTWORK IS CONNECTED ARE TO BE BEADED TO HELP PREVENT THE DUCTWORK FROM SLIPPING OFF. THE MAXIMUM LENGTH OF FLEXIBLE DUCT IS 6FT. IF AIR DEVICE IS GREATER THAN 6FT. FROM SUPPLY AIR DUCT PROVIDE ROUND SHEET METAL DUCT THE SAME DIAMETER AS FLEXIBLE DUCT TO EXTEND FROM SUPPLY AIR DUCT TO WITHIN 6FT. OF AIR DEVICE. PROVIDE FLEXIBLE DUCT THE SAME DIAMETER AS DIFFUSER NECK.

VOLUME CONTROL DAMPERS SHALL BE PROVIDED WHERE INDICATED ON THE DRAWINGS. THE DAMPERS SHALL BE SINGLE-BLADE OR MULTI-BLADE, CONSTRUCTED IN ACCORDANCE WITH SMACNA "HVAC DUCT CONSTRUCTION STANDARDS". MAXIMUM WIDTH OF SINGLE BLADE DAMPERS IS 8-INCHES. THE DAMPERS SHALL BE INSTALLED IN THE BRANCH AS CLOSE TO THE BRANCH AS POSSIBLE AND THEY SHALL BE ADJUSTABLE FROM OUTSIDE THE DUCT USING A VENTLOCK MODEL 644 OPERATOR, WHEN LOCATED IN EXPOSED DUCTS OR IN DUCTS ABOVE ACCESSIBLE CEILINGS. SPLITTER DAMPERS ARE NOT PERMITTED.

DUCT SMOKE DETECTOR SHALL BE FURNISHED, WIRED AND INSTALLED IN RETURN AND/OR SUPPLY DUCT (AS SHOWN ON DRAWINGS) BY ELECTRICAL CONTRACTOR, IN ACCORDANCE WITH MECHANICAL CODE TO SHUT DOWN THE UNIT SERVING THE ASSOCIATED DUCT – SEE ELECTRICAL PLANS.

ALL OFFSETS REQUIRED IN THE DUCTWORK ARE NOT SHOWN ON THE DRAWINGS. PROVIDE ADDITIONAL OFFSETS REQUIRED TO INSTALL DUCTWORK AS HIGH AS POSSIBLE BY AVOIDING BEAMS, CONDUIT AND PIPES. SEE ARCHITECTURAL DRAWINGS FOR MINIMUM CEILING HEIGHTS.

THE SUPPLY AND RETURN DUCTS, AS INDICATED ON THE FLOOR PLAN, SHALL BE PROVIDED WITH 1-INCH DUCT LINER COMPLYING WITH TIMA AHC-101 AND INSTALLED WITH ADHESIVES COMPLYING WITH ASC-A-7001 AND FASTENERS COMPLYING WITH SMACNA MF-1. INSTALLATION SHALL ALSO COMPLY WITH SMACNA "DUCT LINER APPLICATION STANDARD." LINED DUCTS DO NOT NEED TO BE INSULATED ON THE OUTSIDE, DUCT DIMENSIONS ON DRAWINGS ARE NET INSIDE DIMENSIONS.

DUCTWORK AIR LEAKAGE SHALL NOT EXCEED FIVE (5) PERCENT AND SHALL NOT BE NOTICEABLE BY FEEL OR SOUND. DUCT SEALANTS, IF USED, SHALL BE NON-HARDENING, NON-MIGRATING MASTIC OR LIQUID ELASTIC SEALANT AND RECOMMENDED FOR THIS APPLICATION BY THE MANUFACTURER.

DUCT INSULATION FOR AIR CONDITIONING SUPPLY, RETURN AND OUTSIDE AIR DUCTS SHALL BE FLEXIBLE OR RIGID FIBERGLASS INSULATION WITH VAPOR BARRIER CONFORMING WITH FED, SPEC. HH-I-558, FORM A OR B, TYPE RIGID OR I. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. THICKNESS SHALL BE A MINIMUM OF 1 INCH AND MINIMUM R-VALUE OF 6. INSULATION NEED NOT BE INSTALLED ON DUCTS WITH DUCT LINING.

PROVIDE FIRE RATED INSULATION FOR ALL NEW KITCHEN EXHAUST DUCT WITHIN BUILDING IN THICKNESS SHALL BE TWO INCHES. INSULATION NEED NOT BE INSTALLED ON DUCTS WITH DUCT LINING. COMPLIANCE WITH LOCAL AUTHORITY. (BASIS OF DESIGN: FIREMASTER)
(INSTALL 2 LAYERS OF 1.5" FIRE WRAP)

ALL COOKING EXHAUST DUCTWORK MUST BE SEAMLESS BLACK STEEL AND WELDED AND SHALL COMPLY WITH SMACNA FOR PROPER PRESSURE CLASS CONSTRUCTION. INSTALL DUCT AND PROVIDE NECESSARY ACCESS PANELS PER NFPA NO. 96 AND/OR IMC CODE WHICHEVER IS STRICTER. DUCTWORK SHALL BE OF THE 16 GAUGE MATERIAL AND SHALL SLOPE BACK TO HOOD AT A SLOPE NOT LESS THAN ¼ UNIT VERTICAL IN 12 UNITS HORIZONTAL. ALL DUCT EXPOSED TO WEATHER SHALL BE PAINTED W/ COLOR APPROVED BY ARCHITECT OR OWNER.

DISHWASH EXHAUST DUCTWORK SHALL BE WELDED STAINLESS STEEL, SLOPED BACK TO HOOD, AND WATERTIGHT.

DUCT SOUNDLINING FOR AIR CONDITIONING SUPPLY SHALL BE FIBERGLASS (OR APPROVED EQUAL). ACOUSTICAL DUCT LINING SHALL NOT IMPART ODOR TO THE AIR, DELAMINATE OR BE LOOSENED BY THE AIRSTREAM UNDER NORMAL OPERATING CONDITIONS. DUCT LINER SHALL HAVE AN AVERAGE DENSITY OF NOT LESS THAN 1-1/2" LB/CF. ALL DUCT LINER SHALL BE 1/2 IN. THICK. THE DUCT LINER SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION'S DUCT LINER APPLICATION STANDARD, FIRST EDITION. WHERE DUCT LINING IS INSTALLED, THE DUCTWORK SHALL BE INCREASED IN EACH DIMENSION TO INCORPORATE THE THICKNESS OF THE LINING MATERIAL AND PROVIDE AN INTERNAL CLEAR DUCT DIMENSION AS SHOWN ON THE DRAWINGS. ANY LINING WHICH IS DAMAGED IN SHIPMENT SHALL NOT BE INSTALLED. JOINTS AND SEAMS IN THE DUCT LINING SHALL BE COATED WITH SPRAY-ON NEOPRENE FOR HOLDING LOOSE FIBERS TOGETHER AND TO PREVENT DELAMINATION. WHICH IS DAMAGED IN SHIPMENT SHALL NOT BE INSTALLED. JOINTS AND SEAMS IN THE DUCT LINING SHALL BE COATED WITH SPRAY-ON NEOPRENE FOR HOLDING LOOSE FIBERS TOGETHER AND TO PREVENT DELAMINATION.

WELDED WIRE MESH (WWM): STAINLESS STEEL 1/2" WELDED WIRE MESH SHALL BE 302 OR EQUAL. BASIS OF DESIGN: METECH – PROVIDE WITH FRAME SCREWED TO END OF DUCT WITH NO OBSTRUCTION TO AIRFLOW.

CONNECTIONS TO EXISTING WORK: THE LOCATION AND SIZE OF EXISTING DUCTS AND PIPES COULD NOT BE READILY DETERMINED DURING DESIGN. THE APPROXIMATE SIZE AND LOCATION ARE SHOWN ON THE DRAWINGS. THE CONTRACTOR IS TO PROVIDE DUCT TRANSITIONS AND OFFSETS AND REDUCERS OR INCREASERS IN PIPING AS NECESSARY TO PERMIT CONNECTION OF NEW DUCTS AND PIPING TO EXISTING, AT NO ADDITIONAL COST TO THE OWN

TESTING AND BALANCING OF ALL SUPPLY, RETURN AND EXHAUST AIR SYSTEMS SHALL BE PERFORMED BY A FIRM CERTIFIED BY THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) IN COMPLIANCE WITH NEBB'S "PROCEDURAL STANDARDS FOR TESTING, ADJUSTING AND BALANCING OF ENVIRONMENTAL SYSTEMS." SUBMIT CERTIFIED TEST REPORTS SIGNED BY TEST AND BALANCING SUPERVISOR WHO PERFORMED TAB WORK. INCLUDE IN REPORT IDENTIFICATION AND TYPES OF INSTRUMENTS USED AND THEIR MOST RECENT CALIBRATION DATE. TAB FIRM SHALL INSPECT SYSTEMS BEFORE STARTING TESTING AND BALANCING TO ENSURE THAT ALL WORK ON THE SYSTEMS IS COMPLETED AND SHALL INFORM THE CONTRACTOR AND CONSTRUCTION MANAGER OF ANY PROBLEMS. IF THE AIR BALANCING CONTRACTOR IS NOT NEBB CERTIFIED, THE CONTRACTOR SHALL GET APPROVAL FROM DESIGN TEAM AND CLIENT PRIOR TO BALANCING THE PROJECT.

OPERATION AND MAINTENANCE INSTRUCTIONS SHALL BE PROVIDED IN TWO (2) BOUND COPIES FOR THE FOLLOWING EQUIPMENT:

FANS (KEF, TEF, DWEF, ETC.)	SPLIT SYSTEM HEAT PUMPS
DOAS	–

PIPES AND FITTINGS:

PIPING SHALL BE STORED AND INSTALLED IN SUCH A MANNER THAT DIRT AND RAINWATER CANNOT FLUSH WASTE AND DOMESTIC WATER PIPING BEFORE TESTING. DISINFECT DOMESTIC WATER PIPE IN ACCORDANCE WITH AWWA C601 OR LOCAL CODES, WHICHEVER IS MORE STRINGENT. CONTRACTOR IS TO CONFIRM ALL EXISTING PIPE SIZES INDICATED ON DRAWINGS.

REFRIGERANT – COPPER TUBE, HARD-DRAWN TEMPER, TYPE K, WROUGHT-COPPER SOLDER JOINT – PIPING SHALL BE MANUFACTURER

CONDENSATE DRAINS – COPPER TUBE, HARD-DRAWN TEMPER.

PIPE INSULATION: INSULATION FOR REFRIGERANT SUCTION SHALL A BE CLOSED-CELL ELASTOMERIC THERMAL INSTALLATION WITH A FLAME SPREAD OF LESS THAN 25 AND A SMOKE DEVELOPED RATING OF 50 OR LESS. INSULATION FOR REFRIGERANT PIPING SHALL HAVE A MAXIMUM THERMAL K VALUE OF 0.25 BTU-IN/HR-FT2-F°. PIPING SHALL HAVE A MINIMUM PIPE INSULATION THICKNESS PER TABLE C403.2.8 OF THE 2015 IECC. PROVIDE ALL PIPING EXPOSED TO THE WEATHER TO BE PROVIDED IN A ALUMINUM JACKET SLEEVE.

ESCUTCHEONS SHALL BE PROVIDED WHERE PIPING ENTERS WALLS OR PARTITIONS IN EXPOSED AREAS. THEY ARE TO BE CHROME PLATED.

SLEEVES SHALL BE INSTALLED FOR ALL PIPING PENETRATIONS OF WALLS AND PARTITIONS. OTHER SLEEVES SHALL BE SHEET METAL. SEAL BETWEEN SLEEVES AND PIPE WITH LEAD AND OAKUM ON BOTH SIDES, MECHANICAL SLEEVE SEALS, OR A FIRE- RESISTANT FOAM MATERIAL INTENDED FOR THIS PURPOSE.

IDENTIFICATION SHALL BE PROVIDED FOR ALL PIPING AND EQUIPMENT. USE STENCILS OR PRESSURE SENSITIVE LABELS TO CLEARLY IDENTIFY MATERIALS WITHIN PIPE AND DIRECTION OF FLOW. PRESSURE SENSITIVE LABELS SHALL ALSO BE FASTENED TO PIPES WITH TAPE AROUND THE PIPE. USE STENCILS TO LABEL EQUIPMENT WITH THE NAME OF THE EQUIPMENT INDICATED ON THE PLANS. LETTER SIZE, COLOR, AND LOCATION SHALL BE SUCH THAT MARKER IS CLEARLY VISIBLE FROM THE FLOOR.

TEMPERATURE CONTROLS:

KEF-1 & DOAS-1:
SEE HOOD CONTROL PANEL DETAIL.

SPLIT SYSTEM HEAT PUMPS AND ASSOCIATED OUTSIDE AIR SUPPLY FANS/MOTORIZED DAMPERS: (AC-1/CU-1, AC-2/HP-2, AC-3/HP-3):

PROVIDE 7-DAY PROGRAMMABLE THERMOSTATS LOCATED IN OFFICE WITH REMOTE SENSORS IN THE SPACE. SET TIME PERIOD FOR OPERATION AS PER OWNER'S DIRECTION & DEMONSTRATE OPERATION TO OWNER. OUTSIDE AIR SUPPLY FAN SHALL OPERATE AND ASSOCIATED MOTORIZED DAMPER SHALL OPEN DURING OCCUPIED MODES AND OUTSIDE AIR SUPPLY FAN AND ASSOCIATED MOTORIZED DAMPER SHALL BE OFF/CLOSED DURING UNOCCUPIED MODES.

SPLIT SYSTEM HEAT PUMPS AND ASSOCIATED MOTORIZED DAMPERS (AC-4/HP-4):

PROVIDE 7-DAY PROGRAMMABLE THERMOSTATS LOCATED IN OFFICE WITH REMOTE SENSORS IN THE SPACE. SET TIME PERIOD FOR OPERATION AS PER OWNER'S DIRECTION & DEMONSTRATE OPERATION TO OWNER. OUTSIDE AIR SUPPLY FAN SHALL OPERATE AND ASSOCIATED MOTORIZED DAMPER SHALL OPEN DURING OCCUPIED MODES AND OUTSIDE AIR SUPPLY FAN AND ASSOCIATED MOTORIZED DAMPER SHALL BE OFF/CLOSED DURING UNOCCUPIED MODES.

ALL SPLIT SYSTEM HEAT PUMPS:

THERMOSTATIC CONTROLS HAVE A 5°F DEADBAND. TEMPERATURE CONTROLS HAVE SETPOINT OVERLAP RESTRICTIONS & SETBACK CONTROLS USING PROGRAMMABLE THERMOSTATS:

THERMOSTATS SETBACK TEMPS TO BE 55°F (HEAT) AND 85°F (COOL); 7 DAY, 2 HOUR OCCUPANT OVERRIDE, 10-HOUR BACKUP.

TEF-1
ON/OFF VIA LIGHTS

DWEF-1, KEF-2:
VIA SWITCH

MECHANICAL LEGEND

EXISTING DUCT AND ACCESSORIES TO REMAIN

EXISTING DUCT OR EQUIPMENT AND ACCESSORIES TO BE REMOVED

NEW OR RELOCATED DUCTWORK

ACOUSTICALLY LINED DUCTWORK

FLEXIBLE DUCT CONNECTION.

SQUARE ELBOW WITH TURNING VANES

SD — DUCT SMOKE DETECTOR

FD — FIRE DAMPER

NEW OR RELOCATED SUPPLY AIR DIFFUSER

NEW OR RELOCATED RETURN GRILLE

LINEAR SLOT DIFFUSER

FLOW ARROW

FLEXIBLE ROUND DUCT

POINT OF DEMOLITION

POINT OF CONNECTION, NEW TO EXISTING

T — THERMOSTAT

150 — AIR QUANTITY IN CUBIC FEET PER MINUTE (CFM)

D — CONDENSATE DRAIN

R — REFRIGERANT PIPING

PIPE DOWN

PIPE UP

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
LICENSE No: 51186
EXPIRATION DATE: 06/30/24

K2 Engineering, Inc.
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540-734-4010

PROJECT No. : 0721-18

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

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PROJECT INFORMATION:

SCALE:	As indicated
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CHECKED BY:	AK/KK/SW
JOB NO:	2022-3904

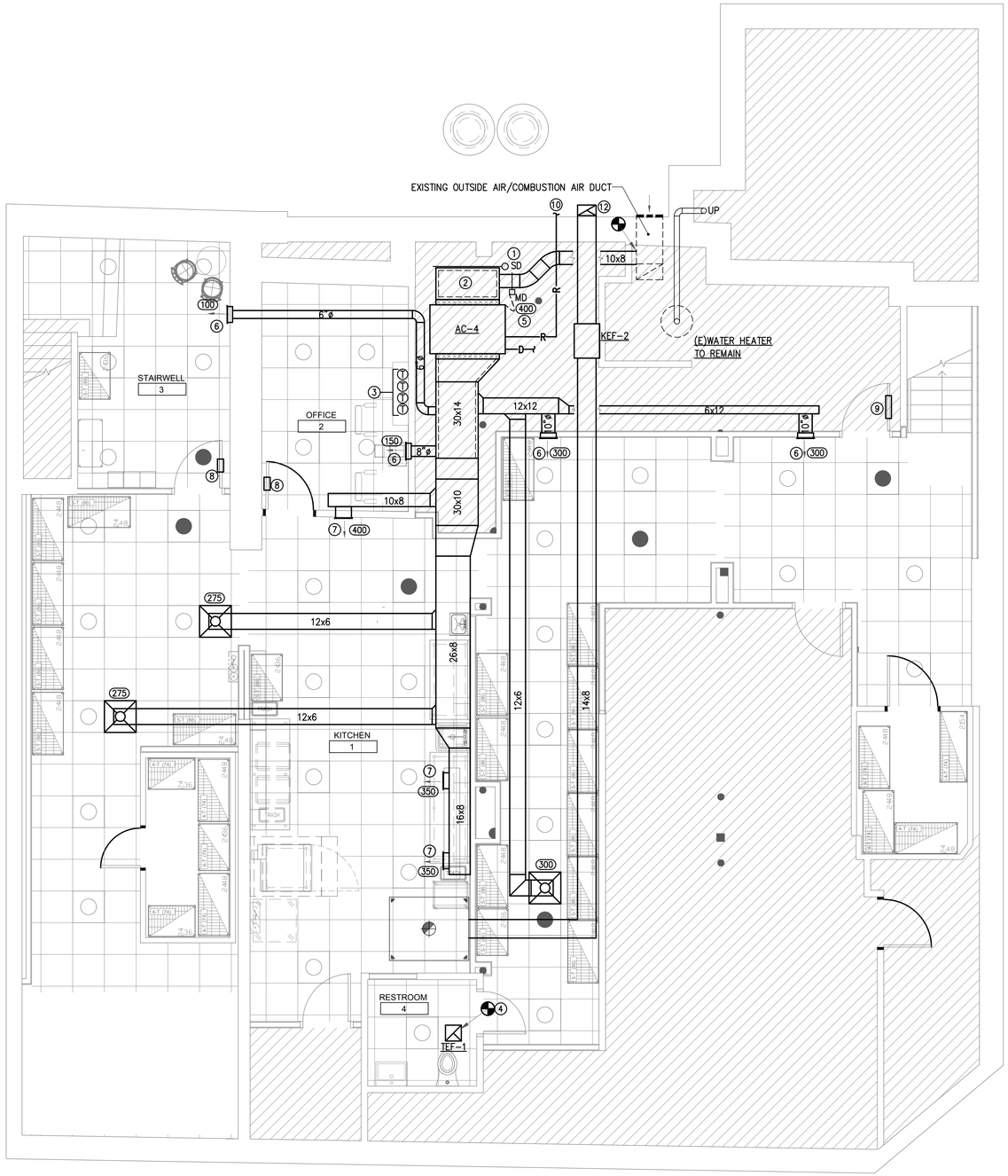
SHEET TITLE:

MECHANICAL SPECIFICATIONS AND LEGEND

STAMP:

COMMONWEALTH OF MASSACHUSETTS
ADAM B. KOPEL
No. 51186
REGISTERED PROFESSIONAL ENGINEER

M000



MECHANICAL PLAN - BASEMENT

SCALE: 1/4" = 1'-0"

NOTES:

1. RETURN AIR DUCT SMOKE DETECTOR SHOWN FOR INFORMATIONAL PURPOSES ONLY. SEE ELECTRICAL PLANS FOR MORE INFORMATION.
2. PROVIDE 24" DEEP SOUNDLINED RETURN AIR PLENUM FULL SIZE OF UNITS RETURN AIR OPENING.
3. LOCATE THERMOSTATS FOR REMOTE SENSORS IN OFFICE.
4. CONNECT TOILET EXHAUST FAN TO EXISTING DUCTWORK FROM FAN REMOVED UNDER DEMOLITION.
5. INTERLOCK MOTORIZED DAMPER TO OPEN WHEN AC-4 IS IN OPERATION. BALANCE FOR 400 CFM.
6. PROVIDE 12x8 SIDEWALL SUPPLY REGISTER. BASIS OF DESIGN: TITUS MODEL 300FL. PROVIDE WITH OPPOSED BLADE DAMPER FOR BALANCING.
7. PROVIDE 18X8 SIDEWALL SUPPLY REGISTER. BASIS OF DESIGN: TITUS MODEL 300FL. PROVIDE WITH OPPOSED BLADE DAMPER FOR BALANCING.
8. PROVIDE 12x12 DOOR LOUVER.
9. PROVIDE 24x24 DOOR LOUVER.
10. ROUTE REFRIGERANT PIPING TO HP-4 OUT BACK ON GRADE. SEE DRAWING M002 FOR CONTINUATION.
11. ROUTE 1" CONDENSATE TO SAME LOCATION AS AC UNIT REMOVED UNDER DEMOLITION. CONTRACTOR TO COORDINATE WITH FIELD CONDITIONS.
12. 14x8 DUCT OUT HIGH AS POSSIBLE ON WALL WHICH WILL BE JUST ABOVE GRADE. TURN UP APPROXIMATELY 10 FEET. SEE DRAWING M002 FOR MORE INFORMATION.

AIR BALANCE SCHEDULE

EXHAUST AIR			MAKE-UP AIR		
LOCATION		CFM	LOCATION		CFM
KITCHEN HOOD #3	–	600	–	–	–
–	–	–	–	–	–
–	–	–	–	–	–
SUBTOTAL FOR KEF-2	=	± 600	–		± –
TOILET EXHAUST		100	AC UNIT OA		400
FAN TOTALS:		700	–		400
TOTALS:		400 OA CFM – 700 EXHAUST CFM = 300 CFM NEGATIVE BALANCE			

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CHECKED BY: AK/KK/SW
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SHEET TITLE:

BASEMENT MECHANICAL PLAN

STAMP:



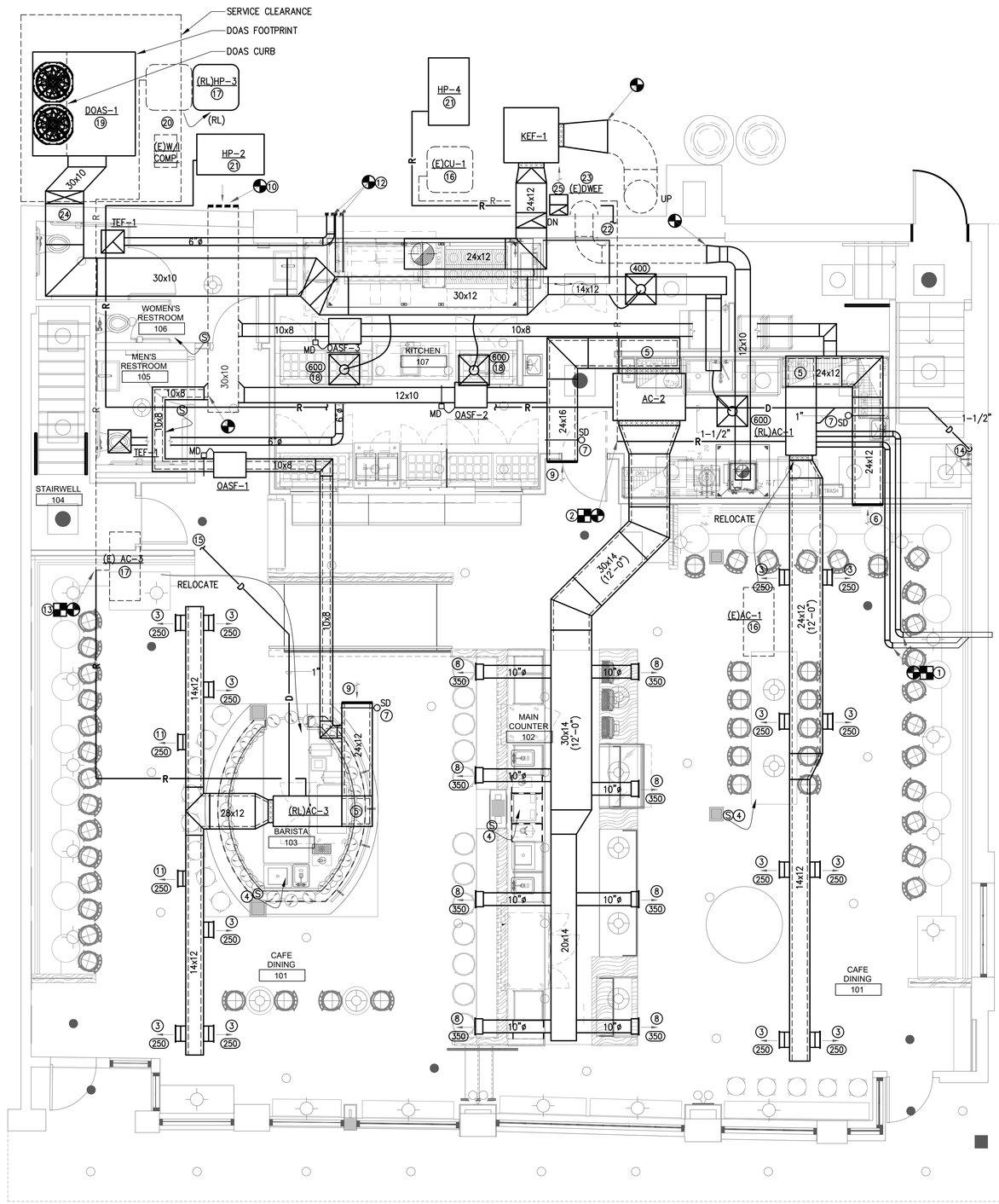
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SCALE: 1/4" = 1'-0"
0 4' 8'

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M001



MECHANICAL PLAN - 1ST FLOOR

SCALE: 1/4" = 1'-0"

NOTES:

1. CONNECT FLUES TO EXISTING FLUES FROM UNIT BEING RELOCATED.
2. REROUTE/EXTEND REFRIGERANT PIPING TO RELOCATED AC-1 LOCATION.
3. PROVIDE 12x8 SIDEWALL SUPPLY REGISTER. BASIS OF DESIGN: TITUS MODEL 300FL. SEE DETAIL FOR SIDEWALL REGISTER INSTALLATION.
4. PROVIDE NEW REMOTE SENSOR AND THERMOSTAT. LOCATE THERMOSTAT IN OFFICE. SEE BASEMENT FOR THERMOSTAT LOCATION.
5. PROVIDE 24" DEEP INSULATED RETURN AIR PLENUM FOR SIZE OF UNITS RETURN AIR OPENING.
6. PROVIDE 24x24 RETURN AIR GRILLE AS HIGH AS POSSIBLE. BASIS OF DESIGN: TITUS MODEL 350FL.
7. RETURN AIR DUCT SMOKE DETECTOR SHOWN FOR INFORMATIONAL PURPOSES ONLY. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
8. PROVIDE 18x8 SIDEWALL SUPPLY REGISTER. BASIS OF DESIGN: TITUS MODEL 300FL. PROVIDE WITH OPPOSED BLADE DAMPER FOR BALANCING.
9. PROVIDE 28x28 RETURN AIR GRILLE AS HIGH AS POSSIBLE. BASIS OF DESIGN: TITUS MODEL 350FL.
10. REMOVE EXISTING SHEET METAL FROM EXISTING OPENING. CONTRACTOR TO VERIFY IF LOUVER IS BEHIND SHEET METAL. CONTRACTOR TO PROVIDE OUTSIDE AIR INTAKE LOUVER AS REQUIRED. CONTRACTOR TO VERIFY SIZE OF EXISTING OPENING AND SUBMIT SUBMITTAL ON LOUVER IF REQUIRED.
11. PROVIDE 12x8 SIDEWALL SUPPLY REGISTER. BASIS OF DESIGN: TITUS MODEL 300FL. PROVIDE WITH OPPOSED BLADE DAMPER FOR BALANCING.
12. CONNECT TO EXISTING EXHAUST LOUVER.
13. REROUTE/EXTEND REFRIGERANT PIPING TO RELOCATED AC-3 LOCATION.
14. SPILL 1-1/2" CONDENSATE DRAIN TO MOP SINK.
15. CONNECT/SPILL TO EXISTING CONDENSATE DRAIN FROM LOCATION OF RELOCATED AC-3. CONTRACTOR TO FIELD VERIFY EXACT LOCATION.
16. RELOCATED 5.0 TON AC-1 WITH GAS FURNACE. INDOOR UNIT FURNACE MODEL TUx120, 120 MBH, CONDENSING UNIT MODEL 113APA060, 208/3/60, R410A, MCA – 21.4, MFS – 30.0. BALANCE FOR 2,000 CFM SUPPLY AIR AND 400 CFM OUTSIDE AIR.
17. RELOCATED 5.0 TON AC-3 (HEAT PUMP WITH ELECTRIC HEAT). INDOOR UNIT MODEL FX4DNB06, 208/1/60, 11.3KW HEATER, (2) ELECTRICAL CONNECTIONS: MCA – 58.5/25.0, MCA – 60.0/25.0. OUTDOOR HEAT PUMP MODEL 214DPA060, R410A, MCA – 21.5, MFS – 30.0. BALANCE FOR 2,000 CFM SUPPLY AIR AND 400 CFM OUTSIDE AIR.
18. PROVIDE DIFFUSER WITH TITUS MODEL AG-100 STEEL DUCT MOUNTED SLIDING BLADE DAMPER FOR BALANCING DIFFUSER ABOVE DRYWALL CEILING. PROVIDE DIFFUSERS IN LAY-IN FRAMES AND PROVIDE ADDITIONAL FLEX DUCT FOR REMOVAL OF DIFFUSER TO ACCESS OUTSIDE AIR SUPPLY FAN.
19. DOAS-1 TO SIT ON A CURB AND 30x10 DUCT TO STUB OUT OF CURB TO CONNECT TO EXISTING OUTSIDE/MAKE-UP AIR DUCT UP WALL. COORDINATE EXACT LOCATION OF DOAS-1 IN FIELD WITH EXISTING CONDITIONS TO MAINTAIN SERVICE CLEARANCE.
20. RELOCATE EXISTING HP-3 AND WALK-IN COMPRESSOR UNDER STAIR AS REQUIRED FOR INSTALLATION ON DOAS-1. COORDINATE WITH FIELD CONDITIONS.
21. COORDINATE EXACT LOCATION OF HP WITH EXISTING FIELD CONDITIONS.
22. REFRIGERANT PIPING TO BASEMENT. SEE DRAWING M001 FOR CONTINUATION.
23. CONTRACTOR PRIOR TO CONSTRUCTION SHALL VERIFY DATA ON EXISTING DWEF-1 TO VERIFY ITS CAPACITY AND OPERATION. PROVIDE NEW AS REQUIRED PER SPECIFICATION ON DRAWING M009. NAMEPLATE ON DWEF-1 WAS INACCESSIBLE DUE TO HEIGHT DURING SURVEY.
24. REUSE EXISTING OPENING THRU BUILDING FROM DUCTWORK REMOVED UNDER DEMOLITION.
25. 14x8 DUCT FROM KEF-2 IN BASEMENT. ROUTE 14x8 DUCT UP SIDE OF BUILDING TO ABOVE 10'-0" AND TURN OUT AND DISCHARGE AWAY FROM THE BUILDING.

AIR BALANCE SCHEDULE

EXHAUST AIR			MAKE-UP AIR		
LOCATION		CFM	LOCATION		CFM
KITCHEN HOOD #1	–	2,810	DOAS #1	–	2,200
–	–	–	–	–	–
–	–	–	–	–	–
SUBTOTAL FOR KEF-1	=	+ 2,810	SUBTOTAL FOR HMUA-1		+ 2,200
DISHWASH HOOD	–	525			
–	–	–			
–	–	–			
SUBTOTAL FOR DWEF-1	=	+ 525			
TOILET EXHAUST		200	AC UNIT OA		1,360
FAN TOTALS:		3,535	–		3,560
TOTALS:		3,560 OA CFM – 3,535 EXHAUST CFM = 25 CFM POSITIVE BALANCE			

GENERAL DRAWING NOTES:

1. DUCT/UNIT HEIGHTS ON DRAWINGS ARE APPROXIMATE. CONTRACTOR TO COORDINATE WITH FIELD CONDITIONS.
2. ALL DUCTWORK AND DIFFUSERS SHALL BE PAINTED. COORDINATE PAINTING REQUIREMENTS WITH ARCHITECT.

LANDLORD DRAWING NOTES:

1. ACCESS SHALL BE MAINTAINED TO ALL EXISTING BASE BUILDING AND PROPOSED TENANT WORK ITEMS THAT REQUIRE ACCESS, INCLUDING BUT NOT LIMITED TO ANY VALVES AND JUNCTION BOXES THAT MAY BE LOCATED WTHIN THE DEMISED PREMISES.
2. ALL MECHANICAL EQUIPMENT IN HARD CEILINGS IS TO HAVE ADEQUATE ACCESS PANELS FOR MAINTENANCE AND SERVICING.

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JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

1ST FLOOR MECHANICAL PLAN

STAMP:

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

PROJECT No. : 0721-18

M002

VRF HEAT PUMP UNIT

TAG	CARRIER MODEL #	TOTAL COOLING CONNECTED (BTUH)	TOTAL HEATING CONNECTED (BTUH)	POWER SUPPLY			IEER BASELINE	IEER DESIGN	% EFFICIENCY	REFRIGERANT	NOTES:
				V/ø/HZ	MCA	MOCP					
HP-2	38VMA096	96,000	108,000	208/3/60	46.0	50.0	12.2	23.0	88%	R-410A	1
HP-4	38VMA096	96,000	108,000	208/3/60	46.0	50.0	12.2	23.0	88%	R-410A	1

NOTES:

1. MITSUBISHI AND FUJITSU ARE ACCEPTABLE ALTERNATES.

(E) AC-1/CU-1 AND (E) AC-3/HP-3:

AC-1/CU-1 AND AC-3/HP-3 ARE EXISTING TO BE RELOCATED AND THE INFORMATION ON THOSE UNITS CAN BE FOUND ON DRAWING M002 NOTES 16 & 17.

VRF INDOOR AC UNITS

TAG	STYLE	CARRIER MODEL #	NOMINAL TONS	COOLING (BTUH)	SENSIBLE (BTUH)	HEATING (BTUH)	AIRFLOW CFM	OA CFM	COOLING (EAT) DB/WB (95° AMBIENT)	FAN E.S.P. IN H20	MCA	POWER SUPPLY		REFRIGERANT	NOTES:
												V/ø/HZ	MOCP		
AC-2	DUCTED CONCEALED	40VMH096	8.0	96,000	61,690	108,000	2080-2820	–	80.0/67.0	0.50	10.2	208/1/60	15.0	R-410A	1
AC-4	DUCTED CONCEALED	40VMH096	8.0	96,000	61,690	108,000	2080-2820	–	80.0/67.0	0.50	10.2	208/1/60	15.0	R-410A	1

NOTES:

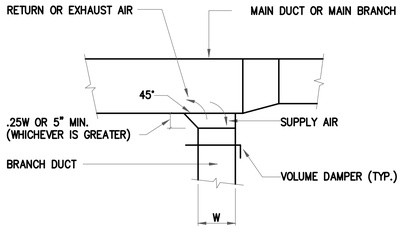
1. PROVIDE WITH WIRED REMOTE CONTROLLER (7-DAY PROGRAMMABLE) – RBC-AMS54E-UL.

DIFFUSER/GRILLE & REGISTER SCHEDULE

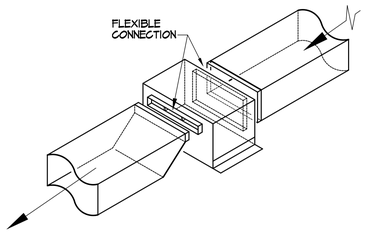
SYMBOL	DESCRIPTION	CFM	PANEL SIZE	NECK SIZE	MAX. SP (" H_2O)	MAX. N.C.	PROTOTYPE TITUS MODEL	REMARKS
⊠	2x2 PERFORATED FACE 4 WAY SUPPLY DIFFUSER	0 – 125	24x24	6"ø	0.10	35	TITUS PAS-AA	1,2,3,4,5,6
⊠	2x2 PERFORATED FACE 4 WAY SUPPLY DIFFUSER	126 – 225	24x24	8"ø	0.10	35	TITUS PAS-AA	1,2,3,4,5,6
⊠	2x2 PERFORATED FACE 4 WAY SUPPLY DIFFUSER	226-400	24x24	10"ø	0.10	35	TITUS PAS-AA	1,2,3,4,5,6
⊠	2x2 PERFORATED FACE 4 WAY SUPPLY DIFFUSER	401-600	24x24	12"ø	0.10	35	TITUS PAS-AA	1,2,3,4,5,6
⊠	1x1 PERFORATED FACE 4 WAY SUPPLY DIFFUSER	0 – 125	12x12	6"ø	0.10	35	TITUS PAS-AA	1,2,3,4,5,6
⊠	1x1 PERFORATED FACE 4 WAY SUPPLY DIFFUSER	126 – 225	12x12	8"ø	0.10	35	TITUS PAS-AA	1,2,3,4,5,6

NOTES:

1. FURNISH WITH TWO, THREE OR FOUR WAY BLOW, AS INDICATED ON PLANS.
2. FLEXIBLE DUCT CONNECTION SHALL BE SAME DIAMETER AS NECK SIZE.
3. FLEXIBLE DUCT CONNECTIONS SHALL HAVE A MAXIMUM LENGTH OF 8'-0".
4. WHERE REQUIRED, PROVIDE OVAL TO ROUND FITTING COLLARS.
5. PROVIDE WITH SPIN-IN FITTING WITH MANUAL VOLUME DAMPER.
6. CONNECT TO DUCT USING FULL NECK SIZE.

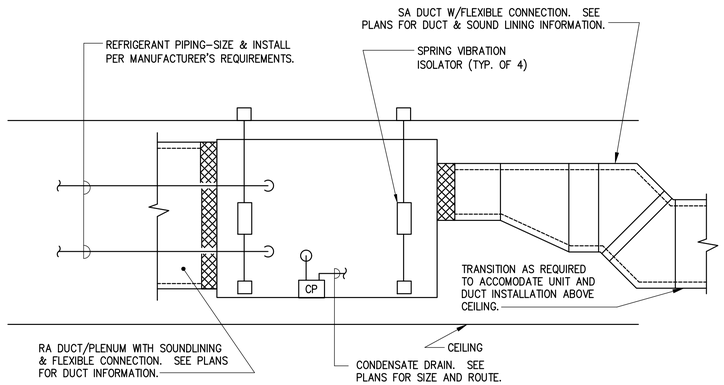


TYPICAL BRANCH DUCT CONNECTION
NO SCALE

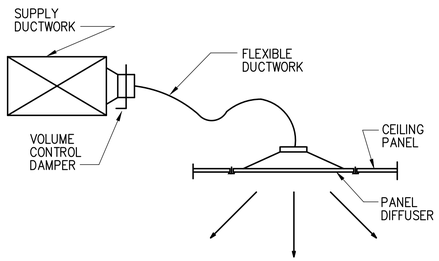


CEILING MOUNTED

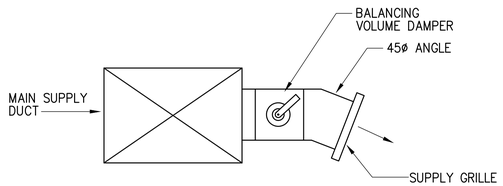
IN-LINE EXHAUST FAN DETAIL
NO SCALE



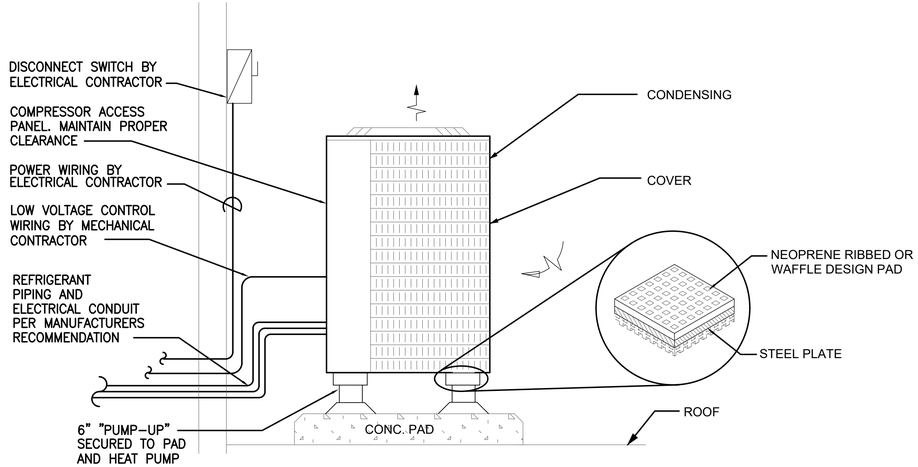
AC UNIT DETAIL
NO SCALE



PANEL DIFFUSER DETAIL
NO SCALE



SUPPLY GRILLE MOUNTING DETAIL
NO SCALE (SIMILAR FOR HORIZONTAL APPLICATIONS)



TYPICAL MOUNTED HEAT PUMP INSTALLATION
NO SCALE

NORTH ARROWS:



ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

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535 ALBANY STREET
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T 617.482.5353
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JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

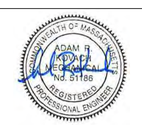
PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

MECHANICAL SCHEDULES & DETAILS

STAMP:



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS, LICENSE No: 51186 EXPIRATION DATE: 06/30/24

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

PROJECT No. : 0721-18

M003

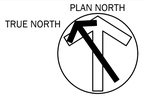
Project Name: TATTE - 645 MASS AVE.	Unit Total Supply Air: 6,800 CFM
Date: 10/04/22	Unit Total Outdoor Air: 1,360 CFM
Unit Designation: AC-1, AC-2 AND AC-3	

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Room Number	Description	Area (ft²) (Az)	Area Outdoor Air Rate per IMC Table 403.3 (Ra)	Area Outdoor Air (RaAz)	Occupant Load Rate per IMC Table 403.3 (People/ 1000 ft2)	Occupancy C x F/1000 (Pz)	Occupant Outdoor Air Rate per IMC Table 403.3 (Rp)	Occupant Outdoor Air (RpPz)	Breathing Zone Outdoor Air (Vbz = RpPz + RaAz)	Zone Air Distribution Effectiveness (Ez)	Zone Outdoor Air (Voz = Vbz / Ez)	Supply Air Design (Vpz)	Secondary Recirculated Air	Outdoor Air Fraction (Zp = Voz / Vpz)
	DINING	1525	0.18	275	70	107	7.5	802.5	1077.5	0.8	1347	5800	0	0.232
	CORRIDOR	908	0.06	54	0	0	0	0	54	0.8	68	1000	0	0.068
			0	0	0	0	5	0	0	0.8	0		0	0.000
			0	0	0	0	0	0	0	0.8	0		0	0.000
Totals		2433		329		107		802.5	1131.5		1415	6800	0	0.232
					Occupant Diversity D = Ps/∑all zones Pz									Ev
									Total Required Outdoor Air					0.920
						1.000				1231				
					Uncorrected O.A. Vou = D ∑all zones RpPz + ∑all zones RaAz				Percentage of Outdoor Air				Method	
	System Population (Ps)													
	Diversity →	107				1132				18%			IMC Chart	

Project Name: TATTE - 645 MASS AVE.	Unit Total Supply Air: 2,800 CFM
Date: 10/04/22	Unit Total Outdoor Air: 400 CFM
Unit Designation: AC-4	

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Room Number	Description	Area (ft²) (Az)	Area Outdoor Air Rate per IMC Table 403.3 (Ra)	Area Outdoor Air (RaAz)	Occupant Load Rate per IMC Table 403.3 (People/ 1000 ft2)	Occupancy C x F/1000 (Pz)	Occupant Outdoor Air Rate per IMC Table 403.3 (Rp)	Occupant Outdoor Air (RpPz)	Breathing Zone Outdoor Air (Vbz = RpPz + RaAz)	Zone Air Distribution Effectiveness (Ez)	Zone Outdoor Air (Voz = Vbz / Ez)	Supply Air Design (Vpz)	Secondary Recirculated Air	Outdoor Air Fraction (Zp = Voz / Vpz)
2	OFFICE	127	0.06	8	5	1	5	5	13	0.8	17	150	0	0.113
	CORRIDOR	548	0.06	33	0	0	0	0	33	0.8	42	700	0	0.060
	STORAGE ROOM	340	0.12	41	0	0	0	0	41	0.8	52	200		0.260
1	KITCHEN	992	0.12	119	20	20	7.5	150	269	0.8	337	1750	0	0.193
			0	0	0	0	0	0	0	0.8	0		0	0.000
Totals		2007		201		21		155	356		448	2800	0	0.260
					Occupant Diversity D = Ps/∑all zones Pz									Ev
									Total Required Outdoor Air					0.890
						1.000				400				
					Uncorrected O.A. Vou = D ∑all zones RpPz + ∑all zones RaAz				Percentage of Outdoor Air				Method	
	System Population (Ps)													
	Diversity →	21				356				14%			IMC Chart	

NORTH ARROWS:



ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

McMahon architects
535 ALBANY STREET
BOSTON, MA 02118
T 617.482.5353
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JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

CODE VENTILATION CALCULATIONS

STAMP:



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
LICENSE No: 51186
EXPIRATION DATE: 06/30/24

PROJECT No. : 0721-18

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

M004

FOR QUESTIONS, CALL THE
Boston/Rhode Island Mechanical
REGION 26
PHONE: (617) 681-7077
EMAIL: reg26@captiveaire.com

PATENT NUMBERS

EXHAUST HOODS ND-2/BD-2/SND-2 (CANADA) - CA PATENT 2520435 C.

HOOD INFORMATION – JOB#5661646

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)							HOOD CONSTRUCTION	HOOD CONFIG	
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP		END TO END	ROW
1	KH-1	5424 ND-2	CAPTIVEAIRE	12' 6"	600 DEG	I	HEAVY	225	2810			4"	18"	2810	1590	-1.112"	430 SS WHERE EXPOSED	ALONE	ALONE
2	KH-2 (DISH)	4224 VHB-G	CAPTIVEAIRE	3' 6"	700 DEG	II	N/A	150	525			4"	10"	525	963	-0.069"	430 SS 100%	ALONE	ALONE
3	KH-3 (BREAD)	6012 VHB	CAPTIVEAIRE	4' 0"	700 DEG	II	N/A	150	600	8"	10"	4"		600	1080	-0.089"	430 SS 100%	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S)					LIGHT(S)			UTILITY CABINET(S)					FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY		
1	KH-1	CAPTRATE SOLO FILTER	9	16"	16"	85% SEE FILTER SPEC	8	L55 SERIES E26	NO	RIGHT	12"x54"x24"	TANK FS	4.0/4.0	SC-310110MA	1 LIGHT 1 FAN	YES	922 LBS
2	KH-2 (DISH)						0									NO	161 LBS
3	KH-3 (BREAD)						0									NO	140 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	KH-1	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
2	KH-2 (DISH)	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.

GREASE DUCT & CHIMNEY SPECIFICATIONS:
PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW" ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW" IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW" DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER THE MANUFACTURES INSTALLATION GUIDE.
PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE SLOPED 3/16" PER 12".
DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW- 2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CAPTIVEAIRE SYSTEMS RECOMMENDS THE USE OF LISTED, PRE-FABRICATED ROUND GREASE EXHAUST DUCT TO REDUCE STATIC PRESSURE IN THE SYSTEM, MINIMIZE INSTALLATION AND INSPECTION TIMES, AND ENSURE DUCT IS LIQUID TIGHT

HVAC DISTRIBUTION NOTE

HIGH VELOCITY DIFFUSERS OR HVAC RETURNS SHOULD NOT BE PLACED WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

VERIFY CEILING HEIGHT

___' - ___"

HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

CUSTOMER APPROVAL TO MANUFACTURE:

APPROVED AS NOTED ☐
APPROVED WITH NO EXCEPTION TAKEN ☐
REVISE AND RESUBMIT ☐
SIGNATURE _____
YOUR TITLE _____ DATE _____ _____

SPECIFICATION: CAPTRATE GREASE-STOP SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

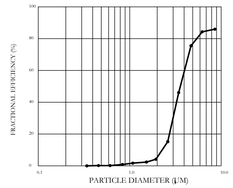
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

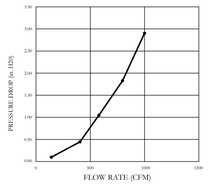
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

EFFICIENCY VS. PARTICLE DIAMETER

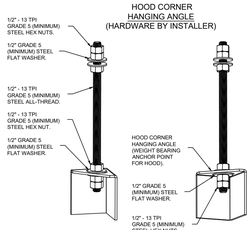


PRESSURE DROP VS. FLOW RATE



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:.
NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.
INT. MECH. CODE (IMC).
ULC-S649.

NOTE: CAPTIVE-AIRE EQUIPMENT IS OWNER-FURNISHED, INSTALLED BY MECHANICAL CONTRACTOR.



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

REVISIONS

	DESCRIPTION	DATE:
△		
△		
△		
△		

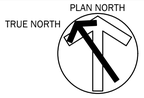
CAPTIVE-AIRE
www.captiveaire.com
Boston/Rhode Island Mechanical
3 Boulevard St, 2nd Floor, Milton, MA. 02186 PHONE: (617) 681-7077 FAX. (919) 227-5909 EMAIL: reg26@captiveaire.com

TATTE - Arlington MA
645 Massachusetts Avenue,
Arlington, MA, 02476

DATE: 10/4/2022
DWG.#: 5661646
DRAWN BY: PWB-26
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 1

NORTH ARROWS:



ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

McMahon architects
535 ALBANY STREET
BOSTON, MA 02118
T 617.482.5353
www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

HOOD SCHEDULES & DETAILS

STAMP:

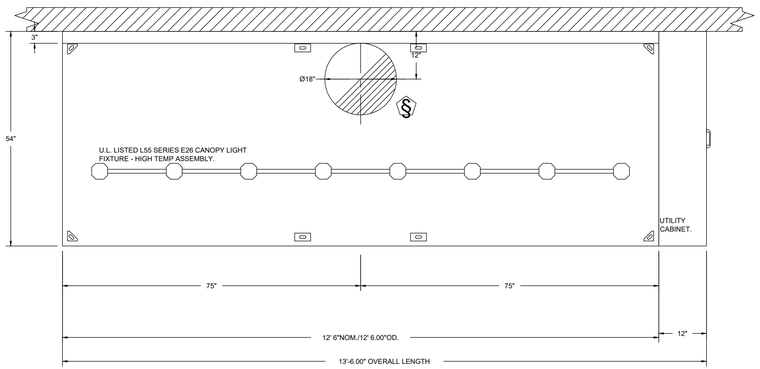


PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
LICENSE No: 51186
EXPIRATION DATE: 06/30/24

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

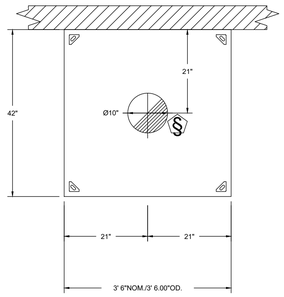
PROJECT No. : 0721-18

M005

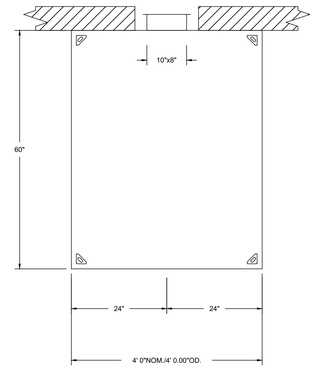


PLAN VIEW – HOOD #1 (KH–1)
12' 6.00" LONG 5424ND–2

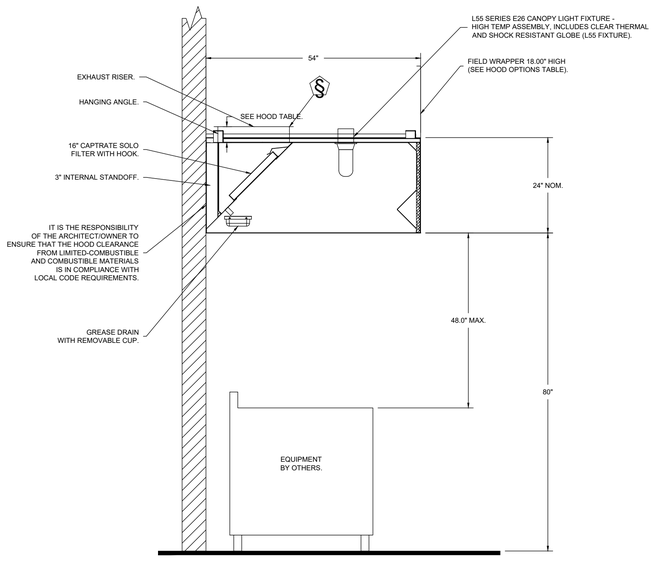
NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12' AND LONGER.



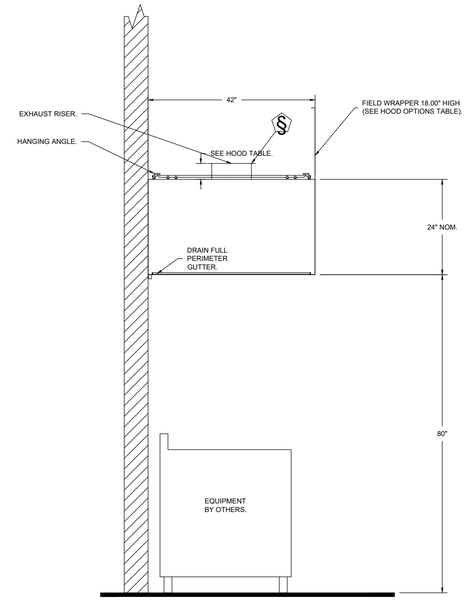
PLAN VIEW – HOOD #2 (KH–2 (DISH))
3' 6.00" LONG 4224VHB–G



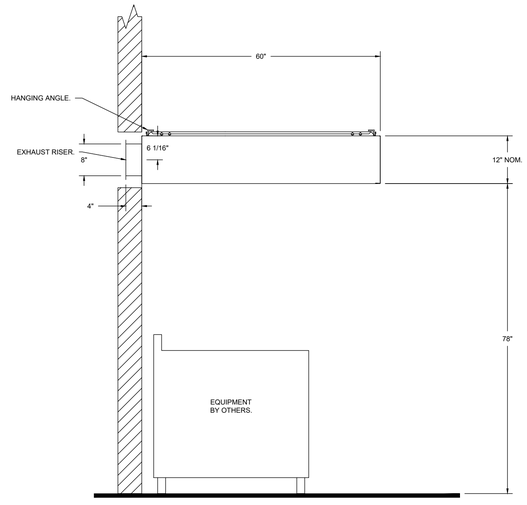
PLAN VIEW – HOOD #3 (KH–3 (BREAD))
4' 0.00" LONG 6012VHB



SECTION VIEW – MODEL 5424ND–2
HOOD – #1 (KH–1)



SECTION VIEW – MODEL 4224VHB–G
HOOD – #2 (KH–2 (DISH))



SECTION VIEW – MODEL 6012VHB
HOOD – #3 – 1 Rear Riser(s) (KH–3 (BREAD))

RISER	A (HEIGHT/DIAMETER)	B (VERTICAL DIMENSION)
1	8	6.000

REVISIONS

	DESCRIPTION	DATE:
1		
2		
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TATTE - Arlington MA
645 Massachusetts Avenue,
Arlington, MA, 02476

DATE: 10/4/2022

DWG.#: 5661646

DRAWN BY: PWB-26

SCALE: 3/4" = 1'–0"

MASTER DRAWING

SHEET NO. 2

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

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535 ALBANY STREET
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JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE.,
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PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

HOOD SCHEDULES & DETAILS

STAMP:

COMMONWEALTH OF MASSACHUSETTS
ADAM R. KOLPIN
REGISTERED
No. 51186
PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
LICENSE No: 51186
EXPIRATION DATE: 06/30/24

PROJECT No. : 0721-18

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540–734–4010

M006

FIRE SYSTEM INFORMATION – JOB#5661646

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0	35	FIRE CABINET RIGHT	RIGHT, HOOD 1

GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	1.250	CAPTIVEAIRE SYSTEMS

JOB NO 5661646 | **MODEL NUMBER** SC-310110MA | **JOB NAME** TATTE - Arlington MA | **DRAWN BY** | **DATE** 10/4/2022 | **SCHEMATIC TYPE** INSTALL | **DWG NO** ECP #1-3

DESCRIPTION OF OPERATION:
Fire System #1 TANK FS - 4.0/4.0. Tank-based Fire Protection System equipped with Electronic Detection utilizing CORE board as a Listed Release Mechanism. Installed in Hood Utility Cabinet with integral hood preserve panel.

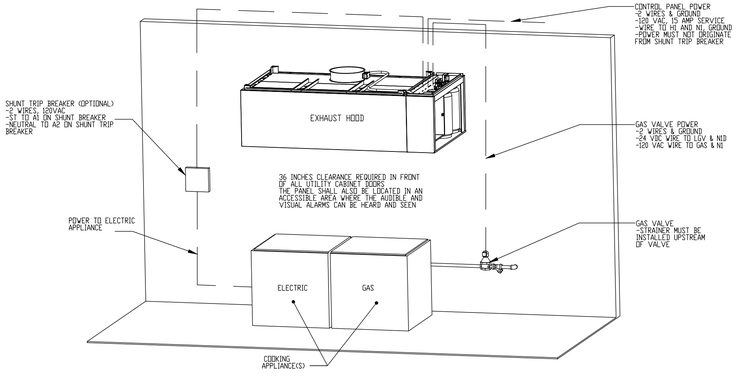
TANK PROTECTION ELECTRICAL DETAIL

02/10/2021 Rev. 2

FS-1: MASTER

ELECTRICIAN
1. WIRE MAIN CONTROL PANEL PER INCLUDED SCHEMATIC
2. WIRE ALL FANS PER INCLUDED SCHEMATIC
3. WIRE SHUNT TRIP BREAKER (OPTIONAL)
4. WIRE UBS APPLIANCE KILL SWITCH, IF EQUIPPED (OPTIONAL)
5. WIRE GAS VALVE

ELECTRICAL CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
SHUNT TRIP BREAKER (OPTIONAL)	ST & N1	BREAKER COIL (A1 & A2)	120 VAC	< 4 AMPS	ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	H1 & N1 + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
UBS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & N1	KTS & N1	120 VAC	< 4 AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AU1, AU2	SOLENOID	120 VAC	< 6 AMPS	120V TO AU1, AU2 TO ANSUL ELECTRIC AUTOMAN, ANSUL SOLENOID TO NEUTRAL
GAS VALVE	LGV & N10 (IF 24 VDC) GAS & N1 (IF 120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 10 AMPS	IF 24 VDC - 3 WIRES & GROUND. N10 TO RED, LGV TO RED, AND GREEN TO GROUND IF 120 VAC - 2 WIRES & GROUND GAS TO RED, N1 TO RED, AND GREEN TO GROUND



NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO 5661646 | **MODEL NUMBER** SC-310110MA | **JOB NAME** TATTE - Arlington MA | **DRAWN BY** | **DATE** 10/4/2022 | **SCHEMATIC TYPE** INSTALL | **DWG NO** ECP #1-4

DESCRIPTION OF OPERATION:
Fire System #1 TANK FS - 4.0/4.0. Tank-based Fire Protection System equipped with Electronic Detection utilizing CORE board as a Listed Release Mechanism. Installed in Hood Utility Cabinet with integral hood preserve panel.

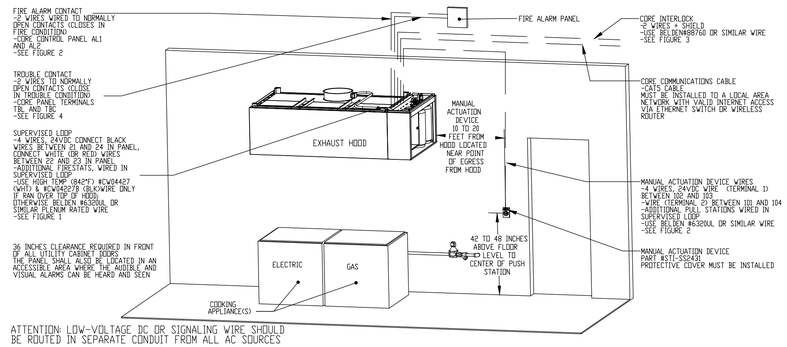
TANK PROTECTION LOW-VOLTAGE DETAIL

02/10/2021 Rev. 2

FS-1: MASTER

ALARM CONTRACTOR:
1. WIRE MANUAL ACTUATION DEVICE(S), REMOTE FIRESTAT(S), CORE INTERLOCK(S), FIRE SENSOR(S) AND FIRE ALARM CONTACTS
2. COMPLETE FINAL HOOKUP OF SYSTEM
3. VERIFY FINAL FIRE SYSTEM TEST

ALARM CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 1.0 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104 JUMPER 101 TO 104 AND 102 TO 103 IF NO MANUAL ACTUATION DEVICE IS INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED IF SURFACE MOUNTED, USE COVER EXTENSION ST1-65318
REMOTE FIRESTAT SENSOR(S)	21 AND 24 22 AND 23	BLACK AND WHITE	24 VDC	< 1.0 AMPS	WIRE FIRE SENSOR WHITE WIRES BETWEEN HOOD CORE PANEL TERMINALS 22 AND 23 WIRE FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 21 AND 24 HIGH TEMP (842°F) #CV04427 (WHT) & #CV04427B (BLK)WIRE OR SIMILAR ONLY. IF RAN OVER TOP OF HOOD, OTHERWISE BELDEN #63200UL OR SIMILAR PLENUM RATED WIRE, SEE FIGURE 1
FIRE ALARM CONTACT	AL1, AL2	VARIES	50V MAX (AC/DC)	UP TO 1 AMP	FIRE ALARM RELAY CONTACTS FOR BUILDING FIRE ALARM LOCATED IN THE CORE ELECTRICAL CONTROL PANEL
CORE INTERLOCK(S)	ILA, ILB, ILC	ILA, ILB, ILC	RS-485 COMMUNICATIONS SIGNAL		CORE SYSTEM (1) ILA, ILB, ILC TO CORE SYSTEM (2) ILA, ILB, ILC TO CORE SYSTEM (2) ILB, ILC CORE SYSTEM (1) ILC, TO CORE SYSTEM (2) ILC USE BELDEN® 88760 OR SIMILAR WIRE
TROUBLE CONTACT	TBC, TBL, TDK	VARIES	MAX 120 VAC	UP TO 6 AMPS	WIRE TO TBL & TBC NORMALLY OPEN CONTACT, CLOSES IN TROUBLE CONDITION
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	<1.0 AMPS	TYPICAL CONNECTION CAT5 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

REVISIONS

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DATE: 10/4/2022

DWG.#: 5661646

DRAWN BY: PWB-26

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 3

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PROJECT No. : 0721-18
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540-734-4010

NORTH ARROWS:



ISSUE	DESCRIPTION	DATE
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JOB TITLE & ADDRESS:

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645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE:	As indicated
DRAWN BY:	AK/KK/SM
CHECKED BY:	AK/KK/SW
JOB NO:	2022-3904

SHEET TITLE:

HOOD SCHEDULES & DETAILS

STAMP:



M007

EXHAUST FAN INFORMATION – JOB#5661646

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	KEF-1	1	USBI18DD-RM	CAPTIVEAIRE	2810	2.000	1384	ODP,PREMIUM	3.000	1.5060	3	208	9.5	1440 FPM	397	22.5
2	KEF-2	1	SIF11DD	CAPTIVEAIRE	600	0.750	1415	TEAO-ECM	0.500	0.2510	1	115	6.3		125	8.2
3	DWEF-1	1	DU33HFA	CAPTIVEAIRE	525	0.750	1378	TEAO-ECM	0.333	0.1610	1	115	4.3	260 FPM	72	13.2
4	TEF-1	1	CFA 150CA	CAPTIVEAIRE	100	0.500	629	GENERALPURPOSE	0.134	0.0920	1	115	1.3		25	N/A
5	TEF-2	1	CFA 150CA	CAPTIVEAIRE	100	0.500	629	GENERALPURPOSE	0.134	0.0920	1	115	1.3		25	N/A
6	TEF-3	1	CFA 150CA	CAPTIVEAIRE	100	0.500	629	GENERALPURPOSE	0.134	0.0920	1	115	1.3		25	N/A
7	OASF-1	1	SIF10DD	CAPTIVEAIRE	400	0.500	1418	TEAO-ECM	0.250	0.1200	1	115	2.9		62	8.4
8	OASF-2	1	SIF11DD	CAPTIVEAIRE	560	0.500	1202	TEAO-ECM	0.500	0.1550	1	115	6.3		125	6
9	OASF-3	1	SIF10DD	CAPTIVEAIRE	400	0.500	1418	TEAO-ECM	0.250	0.1200	1	115	2.9		62	8.4

DOAS/RTU FAN SCHEDULE – JOB#5661646

FAN INFORMATION											ELECTRICAL INFORMATION					COOLING INFORMATION									REHEAT INFORMATION					GAS HEAT INFORMATION				
FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MOCP	OUTSIDE AIR		LEAVING AIR			CAPACITY		IEER	ISMRE	DISCHARGE		CAPACITY		MOISTURE REMOVAL RATE	GAS TYPE	INPUT BTUs	OUTPUT BTUs	TEMP RISE	NOTES
																DB	WB	DB	WB	DP	TOTAL	SENS.			DB	WB	DESIRED	MAX					
10	DOAS-1	1	CASRTU2-I.300-18-10T-DOAS	CAPTIVEAIRE	18MF-2-RTU	0	2150	2150	1963	1.500	2.00	3	208	56.1A	60A	91.0°F	74.0°F	53.4°F	53.4°F	53.5°F	144.0 MBH	87.2 MBH	18.6	4.3	70.0°F	61.5°F	38.5 MBH	96 MBH	49.6 LBS/HR	NATURAL	258000	208980	90°F	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16

NOTES:

1. INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL
2. DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE
3. INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER
4. REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE
5. EC MOTOR CONDENSING FANS
6. ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE
7. SUCTION LINE ACCUMULATOR
8. FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER
9. AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT)
10. 2" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-13 INSULATION-MINIMUM 20GA EXTERIOR W/ 14GA BASE
11. 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 14:1 TURNDOWN WITH NG AND 12:1 TURNDOWN WITH LP
12. SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE
13. FULLY MODULATING HOT GAS REHEAT
14. HAIL GUARD FOR CONDENSING COIL
15. FACTORY INSTALLED COMPRESSOR SOUND BLANKET
16. DOWN DISCHARGE/NO RETURN

REVISIONS

	DESCRIPTION	DATE:
1		
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DRAWN BY: PWB-26

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MASTER DRAWING

SHEET NO. 4

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PROJECT INFORMATION:

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JOB NO: 2022-3904

SHEET TITLE:

FAN SCHEDULES & DETAILS

STAMP:

COMMONWEALTH OF MASSACHUSETTS
ADAM B. KRELL
No. 51186
REGISTERED PROFESSIONAL ENGINEER

M008

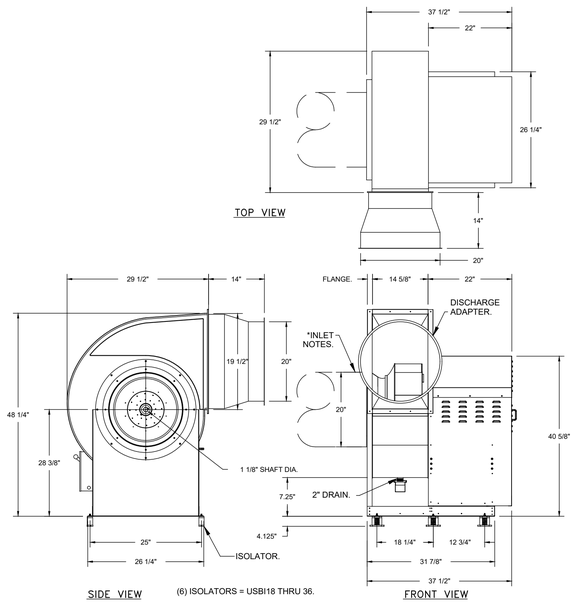
FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF-1	1	UTILITY SET GREASE CUP
		1	BI18 - INLET CONNECTION STANDARD 20" FLANGED GREASE DUCT
		1	BI18 - INLET SERVICE DUCT CONNECTION. USED TO CONNECT TO STANDARD 20" GREASE DUCT OR FIELD WELDED DUCT. INCLUDES (2) 7" RISERS BOLTED TO STANDARD INLET RISER
		1	BI18 - 20" DISCHARGE ADAPTER
		1	BI - DISCHARGE ORIENTATION HORIZONTAL UPPER RIGHT - CW INLET SIDE
		1	BLUE RUBBER VIBRATION ISOLATORS FOR BI UTILITY SETS (SET OF 6)
		1	2 YEAR PARTS WARRANTY
2	KEF-2	1	SIF - HORIZONTAL OVERHEAD MOUNT - PRE-INSTALLED MOUNTS (11-36)
		1	ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC-(TELCO), CCW ROTATION
		1	HANGING SPRING VIBRATION ISOLATORS (SET OF 4), FOR INDOOR OR OUTDOOR USE WITH SQUARE INLINE FANS (HSA125)
		1	SIF11 - STRAIGHT DISCHARGE. SQUARE DUCT CONNECTION
		1	SIF11 - INLET - SQUARE DUCT CONNECTION
		1	2 YEAR PARTS WARRANTY
3	DWEF-1	1	ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC-(TELCO), CCW ROTATION
		1	WALLMOUNT 20.5" SQ. X 2"
		1	WALL MOUNT CONSTRUCTION FOR FAN
		1	SHIP LOOSE DISCONNECT FOR REMOTE MOUNT
		1	2 YEAR PARTS WARRANTY
4	TEF-1	1	CEILING VIBRATION HANGERS
		1	FAN CONTROL - 3 AMP FAN MOUNTED SPEED CONTROL FOR CFA CEILING FANS
		1	2 YEAR PARTS WARRANTY
5	TEF-2	1	CEILING VIBRATION HANGERS
		1	FAN CONTROL - 3 AMP FAN MOUNTED SPEED CONTROL FOR CFA CEILING FANS
		1	2 YEAR PARTS WARRANTY
6	TEF-3	1	CEILING VIBRATION HANGERS
		1	FAN CONTROL - 3 AMP FAN MOUNTED SPEED CONTROL FOR CFA CEILING FANS
		1	2 YEAR PARTS WARRANTY
7	OASF-1	1	ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC-(TELCO), CCW ROTATION
		1	HANGING SPRING VIBRATION ISOLATORS (SET OF 4), FOR INDOOR OR OUTDOOR USE WITH SQUARE INLINE FANS (HSA75)
		1	SIF9-10 - STRAIGHT DISCHARGE. SQUARE DUCT CONNECTION
		1	SIF9-10 - INLET -SQUARE DUCT CONNECTION
		1	SIF - HORIZONTAL OVERHEAD MOUNT - PRE-INSTALLED MOUNTS (9-10)
		1	2 YEAR PARTS WARRANTY
8	OASF-2	1	SIF - HORIZONTAL OVERHEAD MOUNT - PRE-INSTALLED MOUNTS (11-36)
		1	ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC-(TELCO), CCW ROTATION
		1	HANGING SPRING VIBRATION ISOLATORS (SET OF 4), FOR INDOOR OR OUTDOOR USE WITH SQUARE INLINE FANS (HSA125)
		1	SIF11 - STRAIGHT DISCHARGE. SQUARE DUCT CONNECTION
		1	SIF11 - INLET - SQUARE DUCT CONNECTION
		1	2 YEAR PARTS WARRANTY
9	OASF-3	1	ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC-(TELCO), CCW ROTATION
		1	HANGING SPRING VIBRATION ISOLATORS (SET OF 4), FOR INDOOR OR OUTDOOR USE WITH SQUARE INLINE FANS (HSA75)
		1	SIF9-10 - STRAIGHT DISCHARGE. SQUARE DUCT CONNECTION
		1	SIF9-10 - INLET -SQUARE DUCT CONNECTION
		1	SIF - HORIZONTAL OVERHEAD MOUNT - PRE-INSTALLED MOUNTS (9-10)
		1	2 YEAR PARTS WARRANTY
10	DOAS-1	1	INLET PRESSURE GAUGE, 0-35"
		1	RTU TOTAL CFM MONITORING
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	RTU2 DOWN DISCHARGE
		1	2" MERV 13 FILTERS FOR RTU2 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU2 (QTY. 4)
		1	OVERHEAT STAT
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	10 TON MODULATING COOLING OPTION, 208/230V. R410A REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
		1	10 TON MODULATING REHEAT OPTION - SPACE DEWPOINT CONTROL
		1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK - ALARM SUPPLIED BY OTHERS
		1	HIGH TURNDOWN OPTION FOR DOAS UNITS
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 2 FURNACES
		1	OCCUPIED SCHEDULING
		1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
		1	RTU FIXED 100% OA INTAKE CONTROL
		1	RTU2 NO RETURN - 100% OA
		1	RTUVZH065 COMPRESSOR SOUND BLANKET 230/460/575V - FACTORY INSTALLED
		1	RTU2 HAIL GUARD
		1	VAV PACKAGE W/ MANUAL/DDC CONTROL (571 VFD INCLUDED)
		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)

CURB ASSEMBLIES

NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
10	# 10	DOAS-1	67 LBS	CURB	49.500"W X 75.000"L X 36.000"H ALONG WIDTH, RIGHT INSULATED.

FAN #1 USBI18DD-RM - EXHAUST FAN (KEF-1)



(6) ISOLATORS = USBI18 THRU 36.

FEATURES:

- ROOF MOUNTED FANS.
- UL705.
- UL762 AND ULC-S645 (RESTAURANT MODEL).
- HIGH HEAT OPERATION DIRECT DRIVE 350°F (176°C).
- HEAT SLINGER.
- NEMA 3R SAFETY DISCONNECT SWITCH.
- GREASE CLASSIFICATION TESTING.
- 2" DRAIN.
- MOTOR WEATHER COVER.
- FULLY SEALED SCROLL HOUSING.
- SCROLL ACCESS DOOR.
- FLANGE 1 1/4".

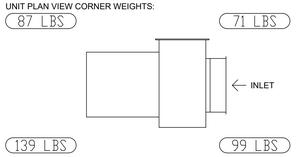
OPTIONS

UTILITY SET GREASE CUP.
BI18 - INLET CONNECTION STANDARD 20" FLANGED GREASE DUCT.
BI18 - INLET SERVICE DUCT CONNECTION. USED TO CONNECT TO STANDARD 20" GREASE DUCT OR FIELD WELDED DUCT. INCLUDES (2) 7" RISERS BOLTED TO STANDARD INLET RISER.
BI18 - 20" DISCHARGE ADAPTER.
BI - DISCHARGE ORIENTATION HORIZONTAL UPPER RIGHT - CW INLET SIDE.
RUBBER VIBRATION ISOLATORS FOR BI UTILITY SETS (SET OF 6).
2 YEAR PARTS WARRANTY.

* INLET NOTES:
LENGTH OF THE STRAIGHT DUCT ON THE INLET TO BE 3 TIMES THE EQUIVALENT DUCT DIAMETER BEFORE CONNECTING TO ANY FITTINGS SUCH AS ELBOWS TO AVOID SYSTEM EFFECT.

NORMAL TEMPERATURE TEST DIRECT DRIVE
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 350°F (176°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

UNIT PLAN VIEW CORNER WEIGHTS:



CORNER WEIGHTS ARE CALCULATED BASED ON VERTICAL DISCHARGE. SUPPORT DUCT PROPERLY BEFORE FAN TO ENSURE CORNER WEIGHTS ARE NOT AFFECTED.

REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		

CAPTIVEAIRE
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3 Boulevard St, 2nd Floor, Milton, MA. 02186 PHONE: (617) 681-7077 FAX: (919) 227-5909 EMAIL: rsg26@captiveaire.com
www.captiveaire.com

TATTE - Arlington MA
645 Massachusetts Avenue,
Arlington, MA, 02476

DATE: 10/4/2022

DWG.#: 5661646

DRAWN BY: PWB-26

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 5

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

McMahon architects
535 ALBANY STREET
BOSTON, MA 02118
T 617.482.5353
www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

FAN SCHEDULES & DETAILS

STAMP:



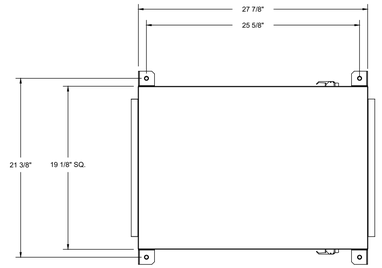
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
LICENSE No: 51186
EXPIRATION DATE: 06/30/24

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

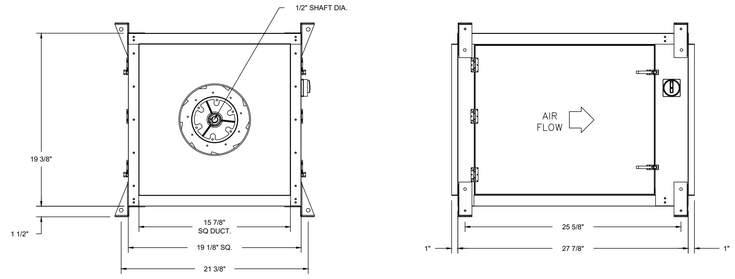
PROJECT No. : 0721-18

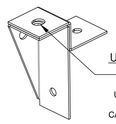
M009

FANS #2 (KEF-2), #8 (OASF-2) - SIF11DD EXHAUST FAN



TOP VIEW





UNIVERSAL MOUNTING BRACKET

1/2" DIA. THREADED ROD ONLY
.560" DIA. MOUNTING HOLES.
USED WITH CEILING VIBRATION ISOLATORS.
USED WITH FLOOR VIBRATION ISOLATORS.
CAN BE RELOCATED IN THE FIELD AS NEEDED.

FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- TWO ACCESS DOORS FOR EASY ACCESS.
- BACKWARD INCLINED NON-OVERLOADING WHEELS.
- UL705 LISTING.
- AMCA AIR & SOUND CERTIFIED.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).

OPTIONS

- SIF - HORIZONTAL OVERHEAD MOUNT - PRE-INSTALLED MOUNTS (11-36).
- ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC- (TELCO), CCW ROTATION.
- HANGING SPRING VIBRATION ISOLATORS (SET OF 4), FOR INDOOR OR OUTDOOR USE WITH SQUARE INLINE FANS (HSA125).
- SIF11 - STRAIGHT DISCHARGE. SQUARE DUCT CONNECTION.
- SIF11 - INLET - SQUARE DUCT CONNECTION.
- 2 YEAR PARTS WARRANTY.

REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		

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TATTE - Arlington MA
645 Massachusetts Avenue,
Arlington, MA, 02476

DATE: 10/4/2022

DWG.#: 5661646

DRAWN BY: PWB-26

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 6

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS, LICENSE No: 51186 EXPIRATION DATE: 06/30/24

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

PROJECT No. : 0721-18

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

McMahon architects
535 ALBANY STREET
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www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE:	As indicated
DRAWN BY:	AK/KK/SM
CHECKED BY:	AK/KK/SW
JOB NO:	2022-3904

SHEET TITLE:

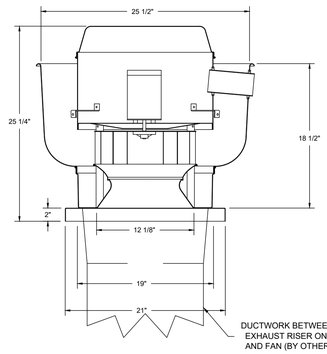
FAN SCHEDULES & DETAILS

STAMP:

COMMONWEALTH OF MASSACHUSETTS
ADAM B. KRUPP
No. 51186
REGISTERED PROFESSIONAL ENGINEER

M010

FAN #3 DU33HFA - EXHAUST FAN (DWEF-1)



FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).

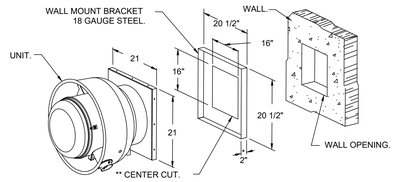
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

OPTIONS

- ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC- (TELCO), CCW ROTATION.
- WALLMOUNT 20.5" SQ. X 2".
- WALL MOUNT CONSTRUCTION FOR FAN.
- SHIP LOOSE DISCONNECT FOR REMOTE

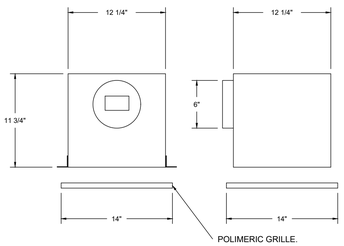
WALL MOUNT BRACKET



- WALL BRACKET FITS INTO BASE OF FAN.
- SELF DRILLING SCREWS SHOULD BE USED FOR UNIT ATTACHMENT TO WALL MOUNT BRACKET.

* DIMENSION = 5" WHEN USED WITH DAMPER.
** CENTERED IN WALL MOUNT.

FANS #4 (TEF-1), #5 (TEF-2), #6 (TEF-3) - CFA 150CA EXHAUST FAN



FEATURES:

- 1/2" ACOUSTIC HOUSING INSULATION.
- 20 GA. GALVANIZED STEEL HOUSING.
- PLUG TYPE DISCONNECT.
- BUILD IN AUTOMATIC BACKDRAFT DAMPER.
- AMCA SOUND & AIR CERTIFIED.
- UL LISTED.
- CAN BE INSTALLED IN CEILING OR WALL.
- 8 POSITION MOUNTING BRACKETS.

OPTIONS

- CEILING VIBRATION HANGERS.
- FAN CONTROL - 3 AMP FAN MOUNTED SPEED CONTROL FOR CFA CEILING FANS.
- 2 YEAR PARTS WARRANTY.

REVISIONS

	DESCRIPTION	DATE:
1		
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3		
4		

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www.captiveaire.com

TATTE - Arlington MA
645 Massachusetts Avenue,
Arlington, MA, 02476

DATE: 10/4/2022

DWG.#: 5661646

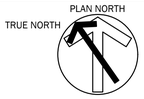
DRAWN BY: PWB-26

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 7

NORTH ARROWS:



ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

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535 ALBANY STREET
BOSTON, MA 02118
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www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

PROJECT INFORMATION:

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DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

FAN SCHEDULES & DETAILS

STAMP:



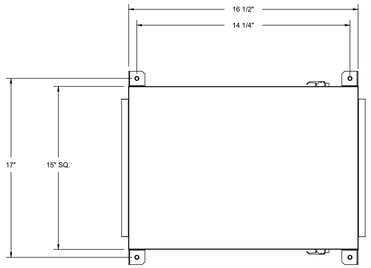
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EXPIRATION DATE: 06/30/24

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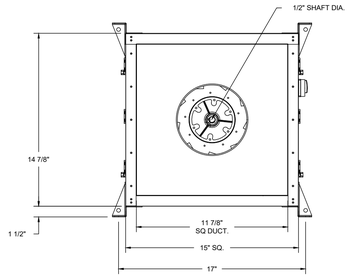
PROJECT No. : 0721-18

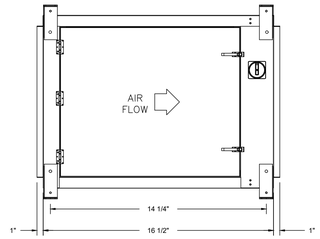
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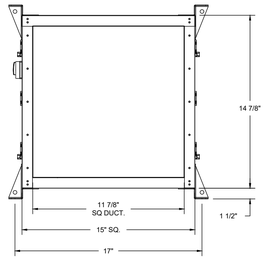
FANS #7 (OASF-1), #9 (OASF-3) - SIF10DD EXHAUST FAN



TOP VIEW





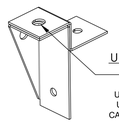


FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- TWO ACCESS DOORS FOR EASY ACCESS.
- BACKWARD INCLINED NON-OVERLOADING WHEELS.
- UL705 LISTING.
- AMCA AIR & SOUND CERTIFIED.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).

OPTIONS

- ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC- (TELCO), CCW ROTATION.
- HANGING SPRING VIBRATION ISOLATORS (SET OF 4), FOR INDOOR OR OUTDOOR USE WITH SQUARE INLINE FANS (HSA75).
- SIF9-10 - STRAIGHT DISCHARGE. SQUARE DUCT CONNECTION.
- SIF9-10 - INLET -SQUARE DUCT CONNECTION.
- SIF - HORIZONTAL OVERHEAD MOUNT - PRE-INSTALLED MOUNTS (9-10).
- 2 YEAR PARTS WARRANTY.



UNIVERSAL MOUNTING BRACKET

1/2" DIA. THREADED ROD ONLY
.560" DIA. MOUNTING HOLES.
USED WITH CEILING VIBRATION ISOLATORS.
USED WITH FLOOR VIBRATION ISOLATORS.
CAN BE RELOCATED IN THE FIELD AS NEEDED.

REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		

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TATTE - Arlington MA
645 Massachusetts Avenue,
Arlington, MA, 02476

DATE: 10/4/2022

DWG.#: 5661646

DRAWN BY: PWB-26

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 8

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43995 Falmouth Court
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PROJECT No. : 0721-18

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

McMahon architects
535 ALBANY STREET
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www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

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645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

PROJECT INFORMATION:

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DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

FAN SCHEDULES & DETAILS

STAMP:

COMMONWEALTH OF MASSACHUSETTS
ADAM B. KRUPP
No. 51186
REGISTERED PROFESSIONAL ENGINEER

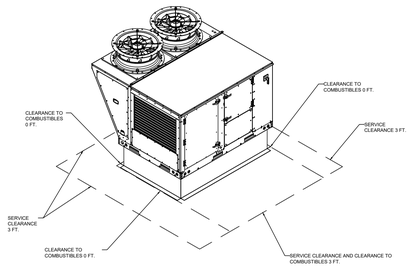
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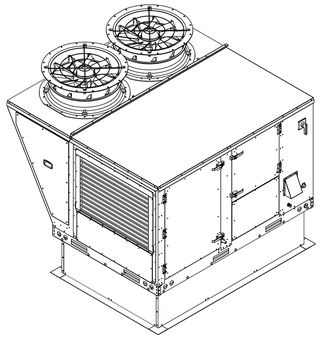
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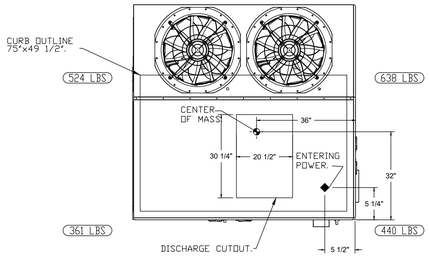
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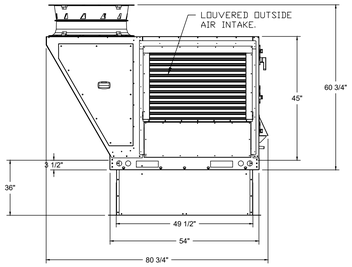
1. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
2. ( ) DENOTES CORNER WEIGHT.
3. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.

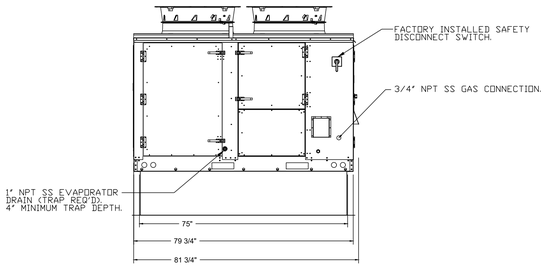
*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.

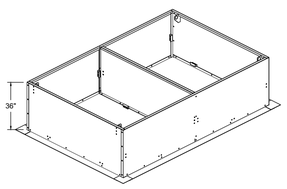


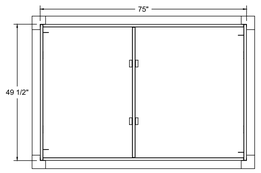




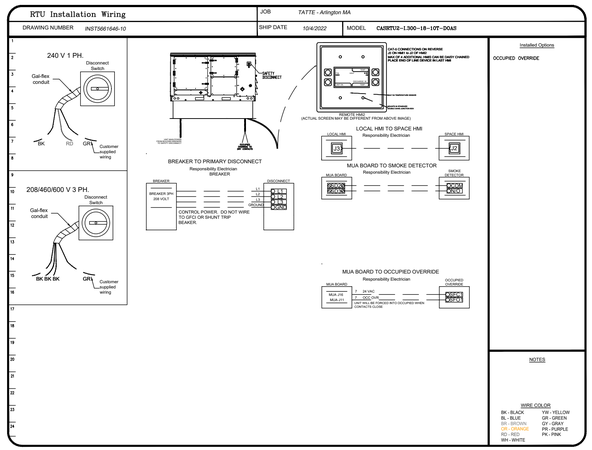








NOTE: PLENUM CURB REQUIRES FIELD CUT SUPPLY DUCT CONNECTION.



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REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		

TATTE - Arlington MA
645 Massachusetts Avenue,
Arlington, MA, 02476

DATE: 10/4/2022

DWG.#: 5661646

DRAWN BY: PWB-26

SCALE: 1/2" = 1'-0"

MASTER DRAWING

SHEET NO. 9

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EXPIRATION DATE: 06/30/24

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PROJECT No. : 0721-18

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PLAN NORTH
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PROJECT INFORMATION:

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SHEET TITLE:

FAN SCHEDULES & DETAILS

STAMP:

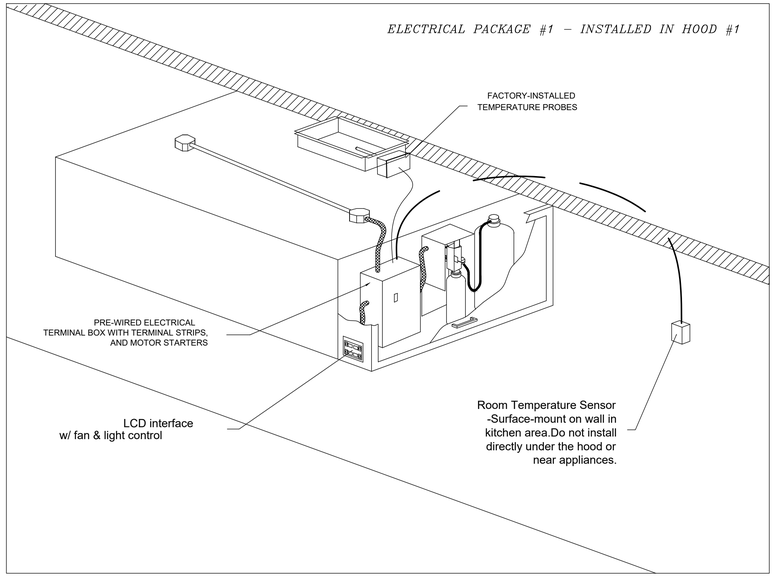
COMMONWEALTH OF MASSACHUSETTS
ADAM R. KOPEL
No. 51186
REGISTERED PROFESSIONAL ENGINEER

M013

ELECTRICAL PACKAGE – JOB#5661646

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	Φ	HP	VOLT	FLA
1		SC-310110MA	UTILITY CABINET RIGHT	04 - UTILITY CABINET RIGHT	1 LIGHT	SMART CONTROLS THERMOSTATIC CONTROL W/ RELAY ON/OFF WITH SUPPLY	KEF-1	EXHAUST	3	3.000	208	9.5
				HOOD # 1	1 FAN							

ELECTRICAL PACKAGE #1 – INSTALLED IN HOOD #1

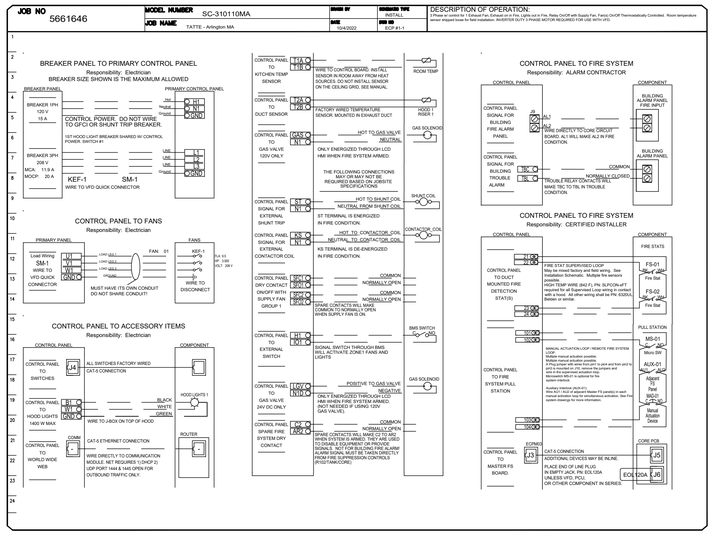


The Electrical Package, typically FP, is designed to thermostatically activate the exhaust fans for an exhaust hood whenever elevated temperatures are sensed in the exhaust system. This option will meet the requirements of IMC 507.2.1.1 by providing a thermostat(s) mounted in the duct or hood riser to sense increased exhaust temperatures.
Controls shall be listed by ETL (UL 508A). The control enclosure shall be NEMA 1 rated and listed for installation inside of the exhaust hood utility cabinet. The control enclosure may be constructed of stainless steel or painted steel.

Temperature probes(s) located in the duct riser shall be constructed of Stainless Steel.
A room temperature sensor is also provided for field installation in the kitchen space in order to start the fan(s) based on the temperature differential between the room and the exhaust air in the duct, rather than fixed set-points.
The system is factory pre-set to activate the fans at 10 deg F° above the room temperature.

Once the duct temperature reaches the activation point, the exhaust fans will be activated. The controls also provide hysteresis to prevent cycling of the fans after the cooking appliances have been turned off and the heat in the exhaust system is reduced. The hysteresis is factory set 2 degrees and will keep the exhaust running until the temperature falls 2 degrees below the activation set point. A hysteresis timer also exists to keep the fans running for at least 30 min after being activated by the temperature rise.

The activation and hysteresis settings may be field adjusted on the board LCD interface located inside the control enclosure to meet application needs.
The panel is factory configured to shut down supply fans, turn on the exhaust fans and turn off the hood lights in a fire condition.



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REVISIONS

	DESCRIPTION	DATE:
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△		
△		

TATTE - Arlington MA
645 Massachusetts Avenue,
Arlington, MA, 02476

DATE: 10/4/2022

DWG.#: 5661646

DRAWN BY: PWB-26

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 10

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

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DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

FAN SCHEDULES & DETAILS

STAMP:



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
LICENSE No: 51186
EXPIRATION DATE: 06/30/24

K2 Engineering, Inc.
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Ashburn, VA 20147
540-734-4010

PROJECT No. : 0721-18

M014



DEMOLITION PLAN - BASEMENT

SCALE: 1/4" = 1'-0"

ELECTRICAL DEMOLITION NOTES:

1. DISCONNECT AND REMOVE ALL LIGHTING FIXTURES LOCATED IN SPACE. REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT COMPLETE BACK TO SERVING PANEL AND REMOVE CONNECTION FROM PANEL.
2. DISCONNECT AND REMOVE ALL RECEPTACLES LOCATED IN SPACE. REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT COMPLETE BACK TO SERVING PANEL AND REMOVE CONNECTION FROM PANEL.
3. DISCONNECT AND REMOVE ALL LIGHT SWITCHES LOCATED IN SPACE. REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT COMPLETE BACK TO SERVING PANEL AND REMOVE CONNECTION FROM PANEL.
4. DISCONNECT AND REMOVE ALL FIRE ALARM DEVICES LOCATED IN SPACE. RETAIN, PROTECT, AND STORE DEVICES FOR REUSE. REMOVE ALL ASSOCIATED CONDUCTORS, CABLES AND OUTLET BOXES COMPLETE. REMOVE ALL ASSOCIATED WIRING BACK TO NEAREST TERMINATION BOX TO REMAIN AND/OR BACK TO CONTROL PANEL. CONNECT ALL EXISTING TO REMAIN CIRCUITS SO THAT CIRCUIT CONTINUITY/EXISTING DEVICE OPERATION IS MAINTAINED. THE FIRE ALARM SYSTEM SHALL REMAIN IN OPERATION AT ALL TIMES. IF ANY OUTAGE IS REQUIRED, THE CONTRACTOR SHALL NOTIFY OWNER AND AUTHORITIES WITH JURISDICTION IN WRITING AND OBTAIN WRITTEN APPROVAL PRIOR TO ANY OUTAGE.
5. DISCONNECT ALL FOOD SERVICE EQUIPMENT AND REMOVE ALL ASSOCIATED DEVICES & CONTROLLERS. REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT COMPLETE BACK TO SERVING PANEL AND REMOVE CONNECTION FROM PANEL.
6. DISCONNECT ALL HVAC & PLUMBING SYSTEMS INDOCTAED ON MECHANICAL & PLUMBING DEMO DRAWINGS TO BE REMOVED. REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT COMPLETE BACK TO SERVING PANEL AND REMOVE CONNECTION FROM PANEL. REFER TO MECHANICAL/PLUMBING DEMO PACKAGE.
7. DISCONNECT AND REMOVE ALL TELEPHONE/DATA SYSTEMS, BACKBOARDS AND DEVICES COMPLETE. REMOVE ALL ASSOCIATED CABLES BACK TO SOURCE. RETAIN EXISTING SERVICE POINT.
8. REMOVE ALL UNUSED WIRING AND CABLE BACK TO PANELBOARD OR NEAREST OUTLET TO REMAIN IN SERVICE. REMOVE ALL UNUSED CONDUIT BACK TO PERIMETER WALL. PROVIDE CONDUIT CAP AT THIS LOCATION.
9. DISCONNECT AND REMOVE COMPLETE EXISTING ELECTRICAL DISTRIBUTIONS PANEL 'KP1'. REMOVE ASSOCIATED FEEDER & RACEWAY COMPLETE BACK TO SERVING DISCONNECT.

BASEMENT LEVEL:

1. ELECTRICAL EQUIPMENT/DEVICES/LIGHTS IN HATCHED AREAS ARE EXISTING TO REMAIN. REFER TO NEW WORK PLAN.
2. ELECTRICAL SERVICE AND DISTRIBUTION EQUIPMENT SHALL REMAIN, MADE SAFE AFTER REMOVEL OF EXISTING BRANCH CIRCUITS, AND PREPARED FOR REUSE.

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

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PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

ELECTRICAL BASEMENT DEMOLITION PLAN

STAMP:

COMMONWEALTH OF MASSACHUSETTS
ADAM R. KOPEC
No. 51186
REGISTERED PROFESSIONAL ENGINEER

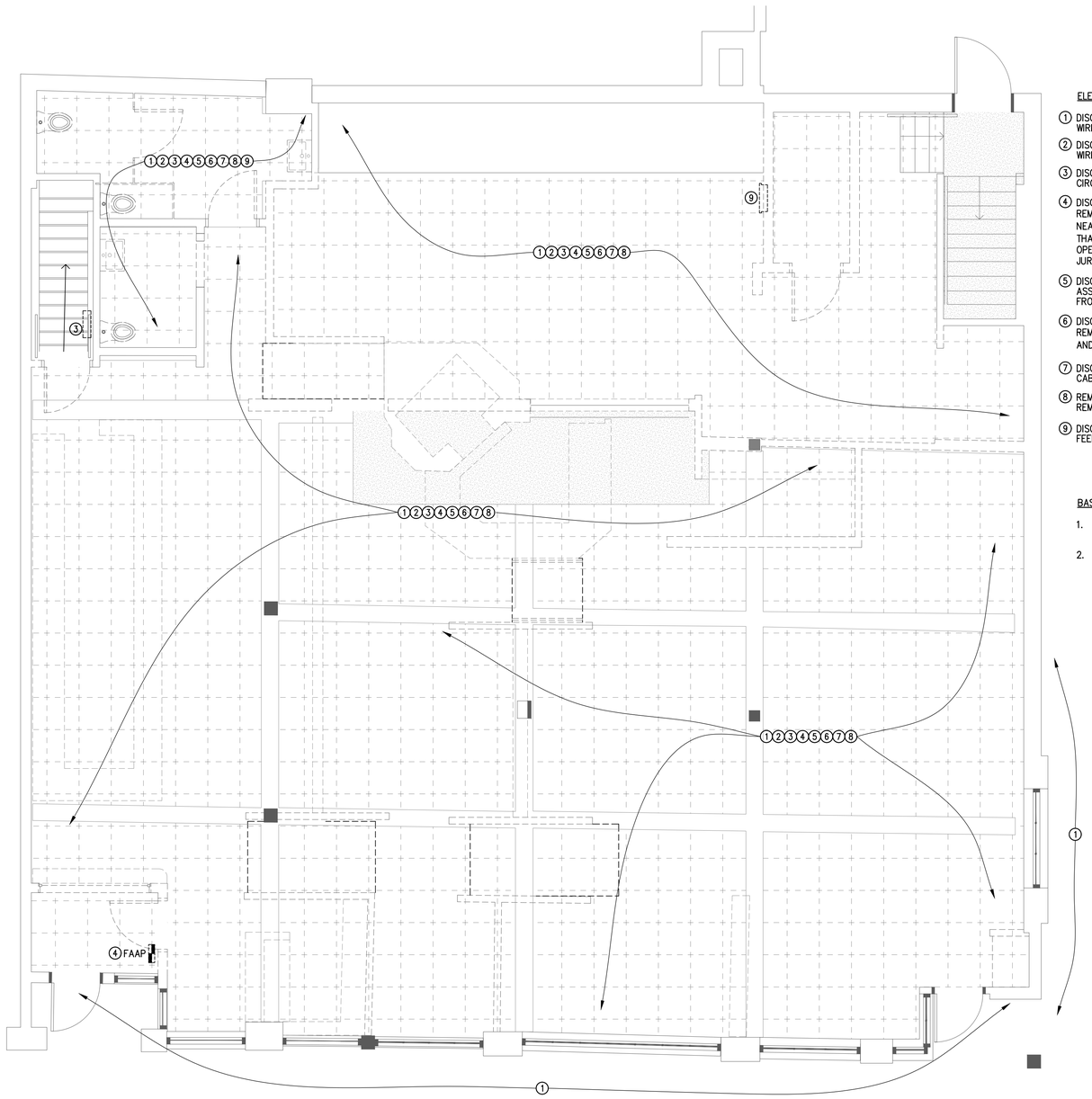
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
LICENSE No: 51186
EXPIRATION DATE: 06/30/24

SCALE: 1/4" = 1'-0"
0 4' 8'

PROJECT No. : 0721-18

K2 Engineering, Inc.
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ED001



DEMOLITION PLAN - 1ST FLOOR

SCALE: 1/4" = 1'-0"

ELECTRICAL DEMOLITION NOTES:

1. DISCONNECT AND REMOVE ALL LIGHTING FIXTURES LOCATED IN SPACE. REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT COMPLETE BACK TO SERVING PANEL AND REMOVE CONNECTION FROM PANEL.
2. DISCONNECT AND REMOVE ALL RECEPTACLES LOCATED IN SPACE. REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT COMPLETE BACK TO SERVING PANEL AND REMOVE CONNECTION FROM PANEL.
3. DISCONNECT AND REMOVE ALL LIGHT SWITCHES LOCATED IN SPACE. REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT COMPLETE BACK TO SERVING PANEL AND REMOVE CONNECTION FROM PANEL.
4. DISCONNECT AND REMOVE ALL FIRE ALARM DEVICES LOCATED IN SPACE. RETAIN, PROTECT, AND STORE DEVICES FOR REUSE. REMOVE ALL ASSOCIATED CONDUCTORS, CABLES AND OUTLET BOXES COMPLETE. REMOVE ALL ASSOCIATED WIRING BACK TO NEAREST TERMINATION BOX TO REMAIN AND/OR BACK TO CONTROL PANEL. CONNECT ALL EXISTING TO REMAIN CIRCUITS SO THAT CIRCUIT CONTINUITY/EXISTING DEVICE OPERATION IS MAINTAINED. THE FIRE ALARM SYSTEM SHALL REMAIN IN OPERATION AT ALL TIMES. IF ANY OUTAGE IS REQUIRED, THE CONTRACTOR SHALL NOTIFY OWNER AND AUTHORITIES WITH JURISDICTION IN WRITING AND OBTAIN WRITTEN APPROVAL PRIOR TO ANY OUTAGE.
5. DISCONNECT ALL FOOD SERVICE EQUIPMENT AND REMOVE ALL ASSOCIATED DEVICES & CONTROLLERS. REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT COMPLETE BACK TO SERVING PANEL AND REMOVE CONNECTION FROM PANEL.
6. DISCONNECT ALL HVAC & PLUMBING SYSTEMS INDOCTAED ON MECHANICAL & PLUMBING DEMO DRAWINGS TO BE REMOVED. REMOVE ALL ASSOCIATED BRANCH CIRCUIT WIRING AND CONDUIT COMPLETE BACK TO SERVING PANEL AND REMOVE CONNECTION FROM PANEL. REFER TO MECHANICAL/PLUMBING DEMO PACKAGE.
7. DISCONNECT AND REMOVE ALL TELEPHONE/DATA SYSTEMS, BACKBOARDS AND DEVICES COMPLETE. REMOVE ALL ASSOCIATED CABLES BACK TO SOURCE. RETAIN EXISTING SERVICE POINT.
8. REMOVE ALL UNUSED WIRING AND CABLE BACK TO PANELBOARD OR NEAREST OUTLET TO REMAIN IN SERVICE. REMOVE ALL UNUSED CONDUIT BACK TO PERIMETER WALL. PROVIDE CONDUIT CAP AT THIS LOCATION.
9. DISCONNECT AND REMOVE COMPLETE EXISTING ELECTRICAL DISTRIBUTIONS PANEL 'KP1'. REMOVE ASSOCIATED FEEDER & RACEWAY COMPLETE BACK TO SERVING DISCONNECT.

BASEMENT LEVEL:

1. DEMOLITION IN BASEMENT AREA TO BE AS REQUIRED BASED ON DEMOLITION OF ELECTRICAL SYSTEMS FROM THE FIRST FLOOR.
2. ELECTRICAL SERVICE AND DISTRIBUTION EQUIPMENT SHALL REMAIN, MADE SAFE AFTER REMOVEL OF EXISTING BRANCH CIRCUITS, AND PREPARED FOR REUSE.

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
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PROJECT INFORMATION:

SCALE:	As indicated
DRAWN BY:	AK/KK/SM
CHECKED BY:	AK/KK/SW
JOB NO:	2022-3904

SHEET TITLE:

ELECTRICAL 1ST FLOOR DEMOLITION PLAN

STAMP:

COMMONWEALTH OF MASSACHUSETTS
ADAM B. KOPEL
REGISTERED
No. 51186
REGISTERED PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
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SCALE: 1/4" = 1'-0"
0 4' 8'

ED002

ELECTRICAL SPECIFICATIONS

1. SCOPE OF WORK INCLUDES FURNISHING AND INSTALLING FIRST-CLASS WORKING SYSTEMS, TESTED READY FOR OPERATION, COMPLETE WITH LABOR, MATERIALS, APPARATUS, TRANSPORTATION AND TOOLS REQUIRED FOR THE INSTALLATION IN CONFORMANCE WITH DRAWINGS AND SPECIFICATIONS.

2. COMPLY WITH ALL APPLICABLE CODES AND ORDINANCES.

   ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), UL AND ALL LOCAL CODES HAVING JURISDICTIONAL AUTHORITY.

3. SECURE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.

4. SUBMIT SIX COPIES OF SHOP DRAWINGS TO ARCHITECT FOR REVIEW.

   a. SUBMITTAL DATA MUST SHOW MANUFACTURER'S NAME, PUBLISHED RATINGS OR CAPACITY DATA AND OTHER PERTINENT DATA. SUBMITTALS ARE REQUIRED FOR BUT ARE NOT LIMITED TO THE FOLLOWING ITEMS:

      1) PANELBOARDS & CIRCUIT BREAKERS
      2) LIGHTING FIXTURES & LAMPS
      3) LIGHTING CONTACTORS & TIME CLOCKS
      4) SAFETY SWITCHES
      5) WIRING DEVICES
      6) FIRE ALARM SYSTEM DEVICES & CONNECTIONS TO BASE BUILDING FIRE ALARM SYSTEM

5. PROVIDE AS BUILT DRAWINGS TO OWNER AT END OF PROJECT.

6. CONTRACTOR SHALL GUARANTEE ALL ELECTRICAL WORK FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.

7. COORDINATE WORK CLOSELY WITH ALL TRADES.

   CONSULT PLANS OF ALL OTHER TRADES FOR COORDINATION AND FOR RELATED AND ADJOINING WORK.

   REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION OF ALL MECHANICAL EQUIPMENT.

   REFER TO PLUMBING DRAWINGS FOR EXACT LOCATION OF ALL PLUMBING EQUIPMENT.

8. KEEP ALL WORK AREAS CLEAN. CLEAN ALL EQUIPMENT, ETC., PRIOR TO FINAL PAINTING AND AT COMPLETION OF PROJECT.

9. ALL CUTTING AND PATCHING FOR ELECTRICAL WORK SHALL BE PAID FOR BY THE ELECTRICAL CONTRACTOR BUT PERFORMED BY THE CONTRACTOR WHOSE WORK IS CUT OR PATCHED.

10. PROVIDE CONDUIT AND WIRING UP TO AND INCLUDING STARTERS, CONTROLLERS, DISCONNECT SWITCHES OR JUNCTION BOXES FOR MECHANICAL EQUIPMENT, UNLESS OTHERWISE INDICATED. STARTERS, CONTROLLERS, CONTROL WIRING AND FINAL CONNECTION TO EQUIPMENT SHALL BE BY ELECTRICAL CONTRACTOR, EXCEPT FOR STARTERS, FACTORY INSTALLED AS AN INTEGRAL COMPONENT OF THE EQUIPMENT.

11. WIRE SHALL BE COPPER, 600 VOLT INSULATION, MINIMUM AWG. #12, TYPE THW, THWN, THHN, OR XHHW, AS APPLICABLE. SIZES SHALL NOT BE LESS THAN INDICATED. BRANCH CIRCUIT CONDUCTORS SHALL NOT BE SMALLER THAN #12 AWG.. CONDUCTOR FOR BRANCH CIRCUITS OF 120 VOLTS MORE THAN 100 FEET LONG AND OF 277 VOLTS MORE THAN 230 FEET LONG, FROM PANEL TO LOAD, SHALL NOT BE SMALLER THAN #10 AWG. CLASS 1 REMOTE CONTROL AND SIGNAL CIRCUIT CONDUCTORS SHALL NOT BE SMALLER THAN #14 AWG. CLASS 2 REMOTE CONTROL AND SIGNAL CIRCUIT CONDUCTORS SHALL NOT BE SMALLER THAN #16 AWG.

12. ALL WIRING SHALL BE IN CONDUIT, MINIMUM SIZE 1/2 INCH WITH LARGER SIZES AS INDICATED OR REQUIRED BY NEC. ALL CONDUITS IN WET OR DAMP LOCATIONS SHALL BE RIGID GALVANIZED STEEL OR SCHEDULE 40 PVC. ALL OTHERS MAY BE EMT UNLESS OTHERWISE INDICATED.

    a. AT THE OPTION OF THE CONTRACTOR, AND IF LOCAL AUTHORITY HAVING JURISDICTION ALLOWS THE USE OF FLEXIBLE METAL CONDUIT, ARMORED CABLE, OR METAL-CLAD CABLE WITH SEPARATE EQUIPMENT GROUNDING CONDUCTOR, THEN THE CONTRACTOR MAY USE THE WIRING METHOD IN COMPLIANCE WITH APPLICABLE CODES.

    b. USE MAXIMUM 6 FOOT LENGTHS OF FLEXIBLE CONDUIT FOR FINAL CONNECTIONS TO LUMINAIRES, FOR EQUIPMENT SUBJECT TO VIBRATION, NOISE TRANSMISSION, OR MOVEMENT, AND FOR ALL MOTORS. USE LIQUIDTIGHT TYPE IN WET OR DAMP LOCATIONS. INSTALL SEPARATE GROUND CONDUCTOR ACROSS FLEXIBLE CONNECTIONS.

13. ALL CONDUITS SHALL BE RUN CONCEALED ABOVE CEILINGS, IN WALLS, AND IN OR BELOW FLOORS. EXPOSED CONDUITS SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING CONSTRUCTION.

14. PANELBOARDS SHALL BE EQUAL TO G.E., A SERIES WITH BOLT ON BEAKERS (OR EQUAL), MINIMUM kAIC SYMMETRICAL AS INDICATED ON PLANS.

    PROVIDE UPDATED TYPE-WRITTEN PANEL DIRECTORY IN EACH PANEL AFTER COMPLETION OF WORK.

15. DISCONNECT SWITCHES SHALL BE EQUAL TO G.E., TYPE TH, HEAVY DUTY (OR EQUAL), SIZE & RATING AS INDICATED ON PLANS.

16. WIRING DEVICE PLATES IN FINISHED AREAS SHALL BE TYPE 430 STAINLESS STEEL. SATIN FINISH, .035 GAUGE FOR DEVICES INDICATED. PLATES SHALL BE ZINC-COATED SHEET STEEL IN UNFINISHED AREAS.

    a. RECEPTACLES AND SWITCHES: GENERAL – ALL DEVICES SHALL BE 20A COMMERCIAL SPECIFICATION GRADE OR BETTER – ALL COVER PLATES SHALL BE BLACK.

17. LIGHTING FIXTURES AND OTHER EQUIPMENT SPECIFIED SHALL BE AS INDICATED ON THE DRAWINGS OR BUILDING STANDARD.

18. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE TYPE OF CEILING SYSTEM WITH THE GENERAL CONTRACTOR OR CEILING CONTRACTOR TO INSURE THAT ALL RECESSED LIGHTING FIXTURES ARE COMPATIBLE WITH THE CEILING SYSTEM BEING INSTALLED. LIGHTING FIXTURES SHALL NOT BE ORDERED UNTIL TYPE OF CEILING HAS BEEN VERIFIED.

    LIGHTING FIXTURES INSTALLED IN SUSPENDED CEILINGS SHALL BE SUPPORTED BETWEEN MAIN CHANNELS OR TEES OF CEILING SUSPENSION SYSTEM AND SUPPORTED INDEPENDENTLY OF CEILING MATERIALS.

    GENERAL CONTRACTOR SHALL VERIFY WORKING CONDITION OF ALL BACK OF HOUSE & & KITCHEN LIGHTING. ANY IN DISREPAIR OR POOR CONDITION SHALL BE REPLACED.

19. MAJOR ITEMS OF ELECTRICAL EQUIPMENT AND MAJOR COMPONENTS SHALL BE PROVIDED WITH AN IDENTIFICATION NAMEPLATE AS INDICATED. ALL NAMEPLATES SHALL BE MADE OF LAMINATED PLASTIC WITH BLACK OUTER LAYERS AND A WHITE CORE. EDGES SHALL BE CHAMFERED. PLATES SHALL BE FASTENED WITH SCREWS OR APPROVED NON-ADHESIVE METAL FASTENERS.

    WHEN APPLICABLE:

    a. THE FOLLOWING EQUIPMENT, AS A MINIMUM, SHALL BE PROVIDED WITH IDENTIFICATION NAMEPLATES:

       MINIMUM 1/4 INCH LETTERS

       1) PANELBOARDS
       2) SAFETY SWITCHES
       3) STARTERS
       4) TRANSFORMERS

20. SUBMIT MANUFACTURER CERTIFICATION THAT PRODUCT CONFORMS WITH NEMA, ANSI AND FEDERAL SPECIFICATIONS. FAILURE TO SUBMIT THIS CERTIFICATION VOIDS THIS APPROVAL.

21. BEFORE ASSIGNING ANY CABLE SPLICER FOR THIS WORK, THE CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH THE NAME(S) OF THE CABLE SPLICER(S) TO BE EMPLOYED, TOGETHER WITH SATISFACTORY PROOF THAT EACH SPLICER HAS HAD AT LEAST THREE YEARS EXPERIENCE WITH THE TYPE AND RATING OF CABLES TO BE SPLICED. IN ADDITION, EACH CABLE SPLICER MAY BE REQUIRED TO MAKE AN APPROVED DUMMY SPLICE IN THE PRESENCE OF THE ENGINEER IN ACCORDANCE WITH CABLE MANUFACTURER'S INSTRUCTIONS BEFORE THE SPLICER(S) IS/ARE APPROVED TO SPLICE THE CABLE COVERED BY THIS WORK. ALL MATERIALS FOR DUMMY SPLICE SHALL BE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON THE CABLE SPLICING IN LIEU OF A PARTICULAR SPLICE KIT.

22. PROVIDE ALL ELECTRICAL DEMOLITION WORK NECESSARY TO INSTALL NEW WORK. ELECTRICAL CONTRACTOR SHALL REROUTE AND RECONNECT ANY CIRCUITS THAT REMAIN IN USE BUT INTERFERE WITH NEW CONSTRUCTION.

23. ALL EXISTING CONDUITS, THAT WILL NOT BE REUSED, SHALL BE REMOVED WHERE THEY WILL BE EXPOSED AFTER COMPLETION OF CONSTRUCTION. ALL OTHERS MAY BE ABANDONED IN CEILING, WALLS OR BELOW FLOORS. CONTRACTOR SHALL REMOVE ALL WIRING FROM ABANDONED CONDUITS, DISCONNECT FROM ALL POWER SOURCES, AND PROVIDE BLANK PLATES ON ALL ABANDONED OUTLETS. CUT OFF ALL ABANDONED CONDUITS 2 INCHES BELOW FINISHED FLOOR AND GROUT FLUSH.

24. MAINTAIN CONTINUITY OF ALL EXISTING CIRCUITS TO REMAIN OR PORTIONS THEREOF AFFECTED BY NEW WORK.

25. ALL MATERIALS REMOVED UNDER DEMOLITION (AND NOT TO BE RELOCATED) SHALL BE DISPOSED OF AS DIRECTED BY LANDLORD. LANDLORD MAY OPT TO RETAIN DEMOLITION MATERIAL. COORDINATE DISPOSITION OF DEMOLITION MATERIAL PRIOR TO START OF DEMOLITION.

26. CONTRACTOR SHALL EXERCISE CARE IN REMOVING DEMOLITION ITEMS AND SHALL REPAIR OR REPLACE, AT HIS COST, ANY DAMAGE CAUSED TO EXISTING CONSTRUCTION AND EQUIPMENT TO REMAIN.

27. DRAWINGS ARE BASED ON EXISTING PLANS AND FIELD INVESTIGATION WITHOUT DEMOLITION. CONTRACTOR SHALL VISIT THE EXISTING BUILDING AND FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AND SHALL EXAMINE ALL RELATED DRAWINGS TO AVOID CONFLICTS.

28. SCHEDULE WORK IN EXISTING BUILDING AT TIMES CONVENIENT TO OWNER.

29. OWNER FURNISHED EQUIPMENT: THE CONTRACTOR SHALL ROUGH-IN THIS EQUIPMENT AND SHALL MAKE CONNECTIONS TO THIS EQUIPMENT TO MAKE IT OPERATE AS INTENDED, INCLUDING PROVIDING MISCELLANEOUS ITEMS SUCH AS PLUGS, RECEPTACLES, WIRE, DISCONNECTS, CABLE, CONDUIT, FLEXIBLE CONDUIT, AND OUTLET BOXES OR FITTINGS.

30. BALANCE LOADS: WITHIN 30 DAYS AFTER FINAL ACCEPTANCE, CONDUCT LOAD-BALANCING MEASUREMENTS AND CIRCUIT CHANGES AS FOLLOWS:

    a. PERFORM MEASUREMENTS DURING PERIOD OF NORMAL WORKING LOADS AS ADVISED BY THE OWNER.

    b. RECORD ALL LOAD READINGS BEFORE AND AFTER CHANGES AND SUBMIT TEST RECORDS.

    c. TOLERANCE: DIFFERENCE BETWEEN PHASE LOADS SHALL NOT EXCEED 20 PERCENT AT ANY ONE PANELBOARD. RE-BALANCE AND RE-CHECK AS REQUIRED, TO MEET THIS MINIMUM REQUIREMENT.

31. IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO CONTACT THE POWER COMPANY AND OBTAIN WRITTEN CONFIRMATION OF THE AVAILABLE FAULT CURRENT FOR THE SITE. CIRCUIT BREAKER A.I.C. RATING SHALL BE INCREASED OR DECREASED FROM SPECIFIED A.I.C. BASED ON THE TOTAL FAULT CURRENT AT THE LINE SIDE OF THE SERVICE EQUIPMENT. SUBMIT INFORMATION TO ENGINEER FOR APPROVAL OF REVISED RATINGS. CIRCUIT BREAKERS SHALL BE RATED AT OR ABOVE FAULT CURRENT.

32. ELECTRICAL PLANS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS.

33. CONSULT ARCHITECTURAL AND STRUCTURAL PLANS FOR CONSTRUCTION DETAILS, HEADROOM, ROOM FINISHES, CEILINGS, ETC.

34. SEE REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHT FIXTURES.

35. CIRCUIT NUMBERS ARE FOR IDENTIFICATION PURPOSES ONLY. CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTLY PHASING THE CIRCUITS IN THE PANEL AND BALANCE THE LOAD ON THE PHASES UNDER NORMAL OPERATING CONDITIONS.

36. CONTRACTOR SHALL VERIFY WIRE SIZES, C/B AND FUSE RATINGS FOR ALL HVAC EQUIPMENT, AND BRING TO THE ATTENTION OF THE ARCHITECT ONLY DISCREPANCIES AFFECTING THE WORK PRIOR TO PROCEEDING.

37. CONTRACTOR SHALL VERIFY THAT ALL DOOR SWINGS ARE CORRECT BEFORE INSTALLING LIGHT SWITCH OUTLETS.

38. HORSEPOWER RATINGS INDICATED ON DRAWING MAY DIFFER FROM ACTUAL EQUIPMENT FURNISHED. IF FURNISHED EQUIPMENT DIFFERS FROM RATINGS ON DRAWINGS. CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER FOR APPROPRIATE ACTION TO BE TAKEN.

39. CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER SIZING OF ALL MOTOR OVERLOAD DEVICES (HEATERS) IN STARTERS BASED ON ACTUAL NAMEPLATE RATINGS ON THE MOTORS BEING INSTALLED.

40. CONTRACTOR SHALL NOTE U.L. LABELS ON PACKAGED TYPE MECHANICAL EQUIPMENT. IF U.L. LABEL ON MECHANICAL EQUIPMENT TO ACTUALLY BE INSTALLED CALLS FOR THE OVERCURRENT PROTECTIVE DEVICE TO BE FUSED, THE ELECTRICAL CONTRACTOR SHALL PROVIDE A FUSED DISCONNECT SWITCH WITH PROPER SIZE FUSES AT THE SWITCH LOCATION INDICATED ON DRAWINGS AT NO ADDITIONAL CHARGE TO THE OWNER.

41. ALL EMPTY CONDUIT RUNS IN EXCESS OF 10 FEET SHALL BE PROVIDED WITH A PULL WIRE OR FISH TAPE/CORD.

42. OPENINGS IN EXISTING BUILDING STRUCTURE FOR PASSAGE OF CONDUITS/CABLES SHALL NOT BE CUT UNTIL THE CONTRACTOR HAS ASKED FOR AND RECEIVED WRITTEN APPROVAL FROM THE ARCHITECT.

43. ALL PENETRATIONS OF FLOORS AND WALLS SHALL BE WATERPROOFED AND FIRE STOPPED IN ACCORDANCE WITH LATEST IBC, NEC AND NFPA CODES.

44. CONDUCTORS SHALL BE INSTALLED CONTINUOUS BETWEEN DEVICES, WITH SPLICES LOCATED ONLY IN JUNCTION BOXES OR IN CABINETS. CONDUCTORS SHALL BE OF SUFFICIENT LENGTH TO REACH THE FARTHEST TERMINAL IN PANELS. A MINIMUM OF 6" LOOPS SHALL REMAIN WHERE CONNECTIONS OR TAPS ARE TO BE MADE IN BRANCH CIRCUIT WIRING.

45. THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL MOUNTING HEIGHTS FOR SWITCHES, RECEPTACLES, WALL MOUNTED LIGHT FIXTURES AND TELEPHONE OUTLETS BY THE USE OF THE ARCHITECTURAL AND ENGINEERING DRAWINGS. SHOULD ANY CONFLICTS BECOME APPARENT THE CONTRACTOR SHALL REQUEST CLARIFICATION PRIOR TO INSTALLATION. IF THE WORK IS NOT COORDINATED ANY REMEDIAL WORK SHALL BE REDONE AT NO ADDITIONAL COST TO THE OWNER.

46. TEST AND INSPECTION:

    a. AT THE TIME OF FINAL INSPECTION AND TEST, ALL CONNECTIONS TO PANELBOARDS, LIGHTING FIXTURES, DEVICES AND EQUIPMENT CONNECTED MUST TEST FREE OF SHORT CIRCUITS AND GROUNDS AND SHALL HAVE MINIMUM INSULATING RESISTANCE BETWEEN CONDUCTORS AND GROUND AS RECOMMENDED BY THE NATIONAL ELECTRICAL CODE.

    b. THE CONTRACTOR SHALL FURNISH THE INSTRUMENTS FOR MAKING THESE TESTS. TESTS SHALL BE CONDUCTED IN THE PRESENCE OF AUTHORIZED CONSTRUCTION MANAGER.

    c. CONTRACTOR SHALL CORRECT AT OWN COST ANY EQUIPMENT OR SYSTEMS THAT DO NOT TEST SATISFACTORILY.

47. THESE SPECIFICATIONS AND ASSOCIATED DRAWINGS COMPLIMENT THE EXISTING BASE BUILDING SPECIFICATIONS AND STANDARDS. ANY DISCREPANCY BETWEEN THEM, THE MOST CONSTRAINING DETAIL OR SPECIFICATION WILL RULE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, REQUESTING A RULING. THE ENGINEER SHALL HAVE THE FINAL WORD.

48. PROVIDE AUTOMATIC STARTERS FOR MOTORS OVER 3/4HP, INCLUDING KITCHEN SUPPLY AND EXHAUST FANS.

ELECTRICAL LEGEND

LIGHTING

- FLUORESCENT LIGHTING FIXTURE, CEILING-MOUNTED.
- FLUORESCENT STRIP LIGHTING FIXTURE, CEILING-MOUNTED.
- INCANDESCENT OR COMPACT FLUORESCENT LIGHTING FIXTURE, CEILING-MOUNTED.
- INCANDESCENT OR COMPACT FLUORESCENT LIGHTING FIXTURE, WALL-MOUNTED.
- LUMINAIRE ON EMERGENCY CIRCUIT. PROVIDE WITH 90 MINUTE BATTERY.
- EXIT SIGN LIGHTING FIXTURE, CEILING AND WALL-MOUNTED, WITH ARROWS AS INDICATED. SHADED AREA(S) INDICATE(S) ILLUMINATED FACE(S). PROVIDE WITH 90 MINUTE BATTERY.
- TRACK LIGHTING WITH LUMINAIRES AND LENGTH, AS INDICATED.
- TWIN HEAD BATTERY UNIT.
- FIXTURE ON NIGHT LIGHT CIRCUIT (NO BATTERY)
- FIXTURE ON NIGHT LIGHT CIRCUIT (WITH MANUFACTURER'S INTEGRAL 90-MINUTE BATTERY UNIT & TEST SWITCH).

SWITCHES

- Sa — SINGLE-POLE SWITCH, 48" A.F.F. SUBLETTER DENOTES ITEM CONTROLLED WHEN INDICATED.
- D — DIMMER SWITCH, 48" A.F.F. SUBLETTER DENOTES ITEM CONTROLLED WHEN INDICATED. MINIMUM 600W, 120V U.O.N.
- SM — FRACTIONAL OR INTEGRAL HORSEPOWER MANUAL MOTOR STARTER WITH OVERLOAD PROTECTION. MOUNT IN NEMA 1 ENCLOSURE, AS REQUIRED U.O.N.
- So — OCCUPANCY SENSOR WALL SWITCH WITH MANUAL ON/OFF OVERRIDE.
- OS — DUAL TECHNOLOGY OCCUPANCY SENSOR, CEILING MOUNTED. TIMER SHALL BE ADJUSTABLE UP TO 30 MINUTES.
- DS (D1,D2,ETC.) — DAYLIGHT SENSOR. INDICATES ZONE NUMBERS CONTROLLED.

RECEPTACLES

- DUPLEX RECEPTACLE, 18" A.F.F. UNLESS OTHERWISE NOTED ON ELECTRICAL, KITCHEN, OR ARCHITECTURAL PLANS.
- WP — GROUND FAULT INTERRUPTER RECEPTACLE IN WEATHERPROOF BOX WITH FLIP LID.
- U — DUPLEX RECEPTACLE WITH (2) USB PORTS
- H — DUPLEX RECEPTACLE. SUBSCRIPT "H" INDICATES HORIZONTAL MOUNT.
- C — STOREFRONT RECEPTACLE ON CEILING OR 6" ABOVE STOREFRONT WINDOW.
- DOUBLE DUPLEX RECEPTACLE IN TWO GANG BOX, 18" A.F.F. UNLESS OTHERWISE NOTED ON ELECTRICAL, KITCHEN, OR ARCHITECTURAL PLANS.

RACEWAY WIRING

- PANELBOARD. 208Y/120V, 3ø, 4W, SURFACE MOUNTED.
- PANELBOARD. 208Y/120V, 3ø, 4W, RECESS MOUNTED.
- A-2.4 — BRANCH CIRCUIT WIRING RUN CONCEALED IN WALLS AND/OR ABOVE CEILINGS EXCEPT IN EXPOSED CONSTRUCTION AREAS. ARROWHEADS INDICATE NUMBER OF CIRCUITS IN RUN. CROSSMARKS INDICATE NUMBER OF CONDUCTORS IF OTHER THAN TWO. FLAGGED CROSSMARK INDICATES EQUIPMENT GROUNDING CONDUCTOR. DOTTED CROSSMARK INDICATES ISOLATED GROUND CONDUCTOR. RUNS WITHOUT CROSSMARKS INDICATE MINIMUM 2 #12 + #12G., IN 1/2" CONDUIT. ALL RACEWAYS SHALL HAVE A SEPARATE INSULATED MINIMUM #12 AWG EQUIPMENT GROUNDING CONDUCTOR.
- T — TELEPHONE WIRING TO TELEPHONE BACKBOARD.
- UP — BRANCH CIRCUIT WIRING OR CONDUIT TURNED UP.
- DN — BRANCH CIRCUIT WIRING OR CONDUIT TURNED DOWN.
- D1 / S1 — LIGHTING CONTROL LEG/DESIGNATION. D=DIMMING S=SWITCHING

MISCELLANEOUS

- DISCONNECT SWITCH, VOLTS, AMPS AND POLES AS NOTED. FSS = FUSIBLE, NFSS = NON-FUSIBLE.
- TELEPHONE BACKBOARD, DIMENSIONS ON DRAWING.
- TELEPHONE/DATA OUTLET, 18" A.F.F., U.O.N. 4" SQUARE BOX WITH SINGLE GANG RING AND PULL STRING TO CEILING SPACE. (VERIFY EXACT LOCATION WITH OWNER.)
- TELEPHONE OUTLET, 48" A.F.F., U.O.N. 4" SQUARE BOX WITH SINGLE GANG RING AND PULL STRING TO CEILING SPACE. (VERIFY EXACT LOCATION WITH OWNER.)
- M — MOTOR.
- J — JUNCTION BOX, CEILING MOUNTED.
- J — JUNCTION BOX, WALL MOUNTED.
- E — EQUIPMENT CONNECTION.
- PUSH BUTTON.
- SECURITY CAMERA. PROVIDE SINGLE GANG SWITCH BOX WITH 5/8" BUSHED HOLE COVER.
- CHIME/BELL.
- WIFI — WIFI ACCESS POINT. 4" SQUARE BOX WITH SINGLE GANG RING.

ALL EXPOSED CONDUITS, HANGERS, ETC. TO BE PAINTED IN THE FIELD. SEE ARCHITECT FINISH PLANS/SCHEDULES/RCP.

ALL HOMERUNS SHALL BE IN EMT.

NO MC CABLE IN DEMISING WALLS.

WOOD BLOCKING & PITCH POCKETS ARE NOT PERMITTED.

ALL DEVICE BOXES SHALL BE STEEL.

ELECTRICAL WORK UNDER THE MECHANICAL SUB TRADE SHALL BE PERMITTED AND PERFORMED BY ELECTRICIANS LICENSED IN THE STATE OF MASSACHUSETTS.

ALL LOW VOLTAGE SYSTEMS INCLUDING SOUND SYSTEMS, SPEAKERS & TV DISPLAYS MUST BE PERMITTED. ALL DATA WORK INCLUDING POS CABLING MUST BE PERMITTED.

ALL SECURITY WORK INCLUDING CAMERA SYSTEMS MUST BE PERMITTED AND PERFORMED BY INDIVIDUALS LICENSED IN THE COMMONWEALTH OF MASSACHUSETTS.

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS, LICENSE No: 51186
EXPIRATION DATE: 06/30/24

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

PROJECT No. : 0721-18

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

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JOB TITLE & ADDRESS:

TATTE BAKERY
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ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

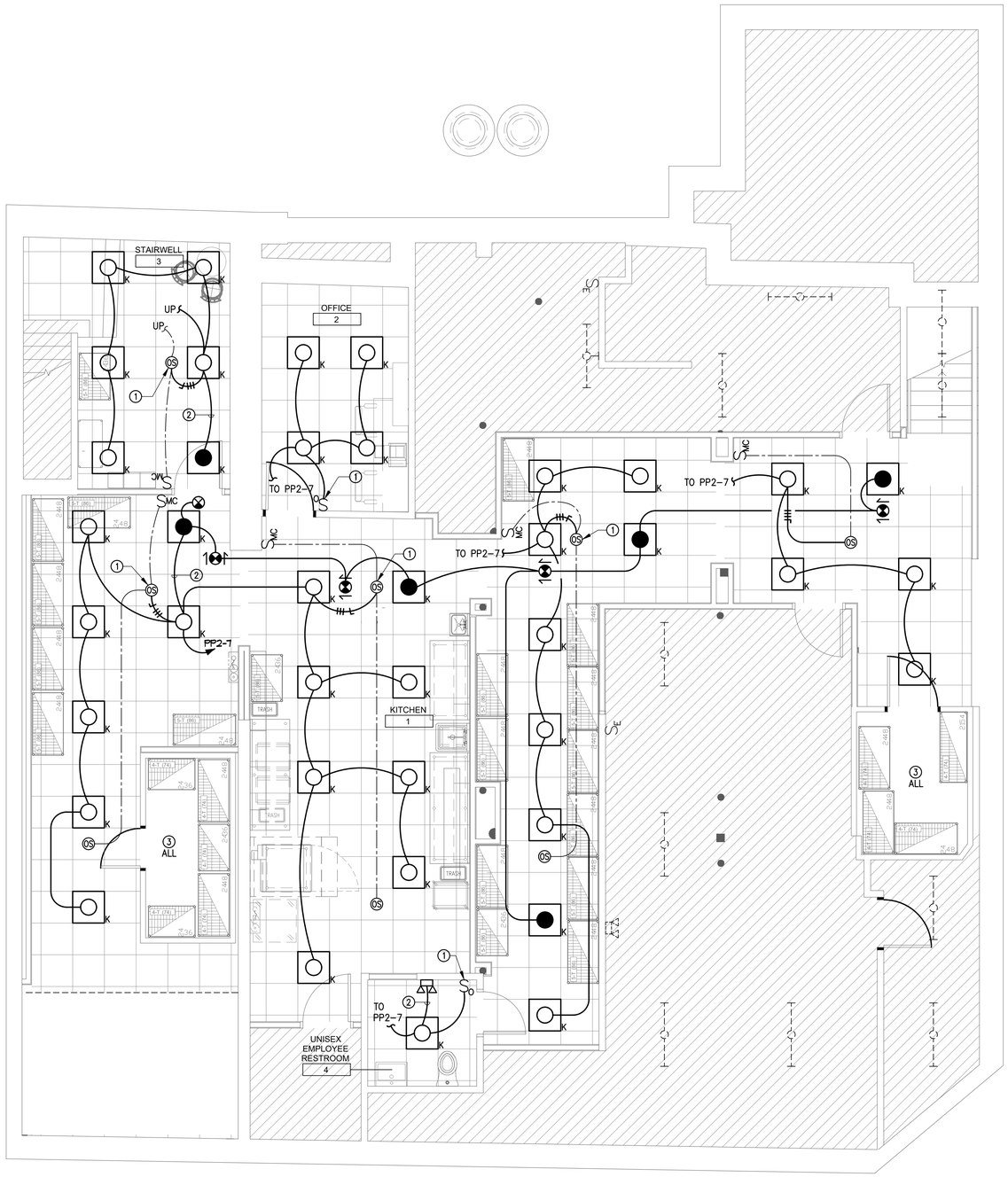
SHEET TITLE:

ELECTRICAL LEGEND & SPECIFICATIONS

STAMP:

COMMONWEALTH OF MASSACHUSETTS — ADAM R. KOPP — No. 51186 — REGISTERED PROFESSIONAL ENGINEER

E000



NOTES :

1. PROGRAM SENSOR FOR 'MANUAL-ON' OPERATION.
2. CONNECT THIS PORTION OF CIRCUIT AHEAD OF ALL SWITCHING CONTROL DEVICES.
3. LIGHTS, CONTROLS AND BRANCH CIRCUITS SERVING COOLER ARE EXISTING TO REMAIN. MAINTAIN OPERATION TO ALL EQUIPMENT/DEVICES SERVING COOLER.

LIGHTING CONTROL & GENERAL NOTES:

1. LIGHTS IN 'OFFICES, RESTROOMS & STORAGE ROOMS' TO BE CONTROLLED BY AREA OCCUPANCY SENSOR, U.O.N.
2. AREA OCCUPANCY SENSOR CONTROL SHALL AUTOMATICALLY TURN 'OFF' LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.
3. AREA OCCUPANCY SENSOR CONTROL SHALL BE 'MANUAL-ON' BY MEANS OF MANUAL-ON SWITCH LOCATED AT ENTRY OF EACH SPACE, U.O.N.
4. MANUAL CONTROLS SHALL IDENTIFY AREA SERVED AND LIGHTS FIXTURES STATUS WHERE LOCATED IN AREA NOT VISIBLE TO LIGHTS BEING CONTROLLED.
5. LIGHTS IN 'DINING AREAS & BAR AREAS' SHALL OPERATE THRU AUTOMATIC TIME CONTROLLER WITH MANUAL WALL SWITCH CONTROL PER PLANS.
6. ALL EMERGENCY BATTERY LIGHTS SHALL BE CEILING MOUNTED. PROVIDE ALL MATERIALS/ HARDWARE FOR MOUNTING FIXTURES SUSPENDED FROM CEILING.

LIGHTING PLAN - BASEMENT

SCALE: 1/4" = 1' - 0"

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

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1	ISSUE FOR PERMIT	2022-10-12

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PROJECT INFORMATION:

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CHECKED BY:	AK/KK/SW
JOB NO:	2022-3904

SHEET TITLE:

BASEMENT LIGHTING PLAN

STAMP:

COMMONWEALTH OF MASSACHUSETTS
ADAM B. KAPLAN
REGISTERED
No. 51186
REGISTERED PROFESSIONAL ENGINEER

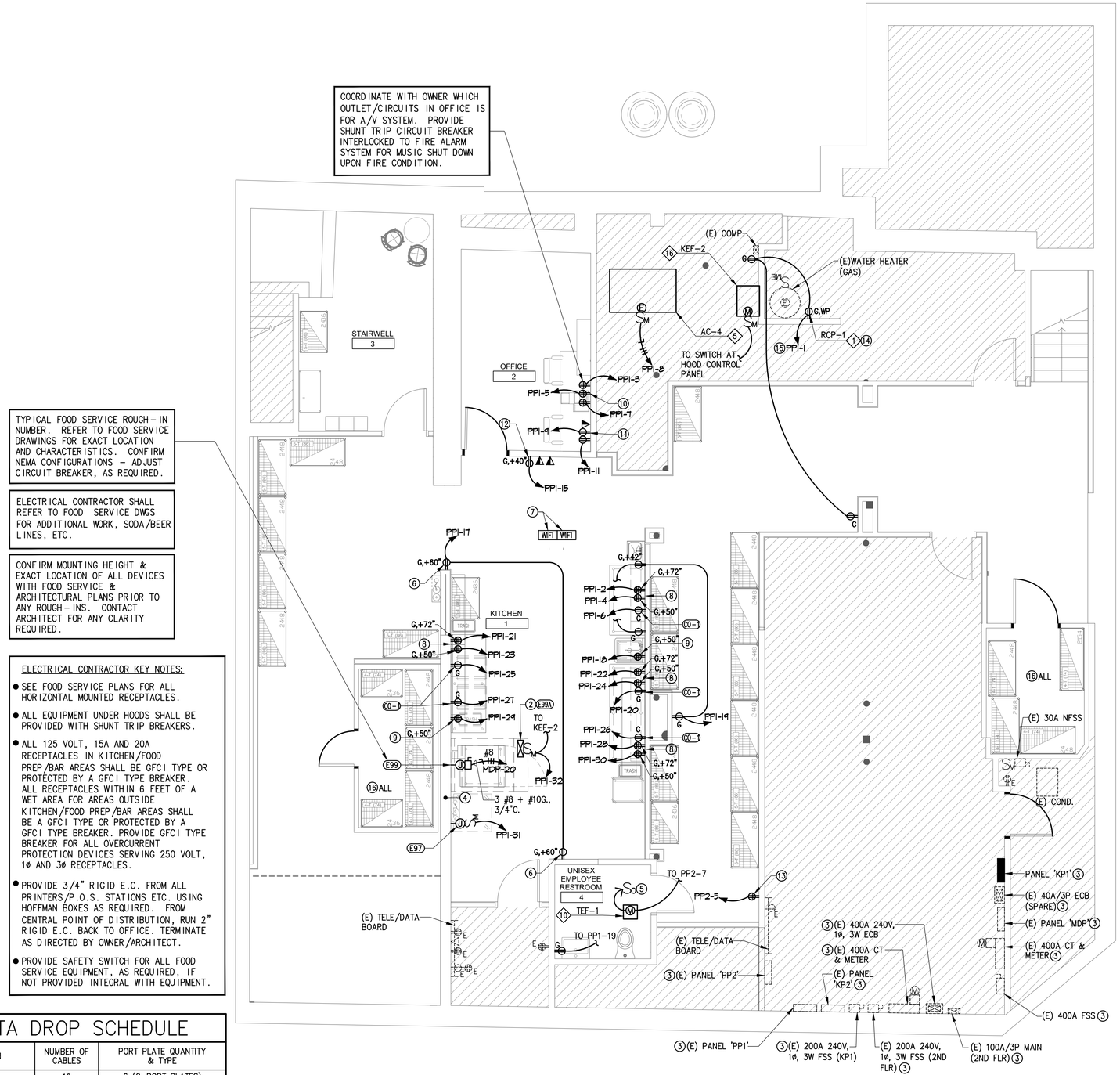
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LICENSE No: 51186
EXPIRATION DATE: 06/30/24

SCALE: 1/4" = 1'-0"
0 4' 8'

PROJECT No. : 0721-18

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

E001



NOTES:

1. VERIFY NEW EQUIPMENT REQUIREMENTS WITH OWNER AND FOOD SERVICE VENDOR.
2. DISHWASHER EXHAUST FAN SHALL BE TIED INTO RELAY CONTROL PANEL AND OPERATE ONLY WHEN DISHWASHER IS RUNNING.
3. REFER TO POWER RISER DIAGRAM.
4. ALL ELECTRICAL/ PLUMBING TO BE RUN THROUGH PROVIDED CHASE WALL AND DISPERSED AS COORDINATE WITH MEP DRAWINGS. REQUIRED.
5. TO AREA OCCUPANCY SENSOR SWITCH.
6. OUTLET FOR BUG LIGHT TO BE AT 5' AFF.
7. (2) WAP DROP @ CEILING. VERIFY ALL WIFI LOCATIONS WITH OWNER IN FIELD.
8. (2) DEDICATED 20 AMP CIRCUITS WITH (2) QUAD OUTLET: ONE AT 50" AFF AND ONE AT 72" AFF BOTTOM OF OUTLET COVER.
9. (1) QUAD OUTLET AT 50" AFF ABOVE VEGGIE WASH STATION. (1) QUAD OUTLET AT 50" AFF ABOVE PREP TABLE.
10. TRIPP LITE SMARTRACK 6U LOW-PROFILE SWITCH-DEPTH-PLUS WALL-MOUNT RACK ENCLOUSRE CABINET LOCATION. OUTLETS REQUIRED TO BE AS TIGHT TO THE CEILING AS POSSIBLE. DATA RACK TO BE WALL MOUNTED ABOVE DESK. COORDINATE EXACT LOCATION WITH OWNER. G.C .TO PROVIDE IN WALL BLOCKING FOR MOUNTING.
11. DATA DROP: ONE PHONELINE FROM UNDER OFFICE DESK TO BE RUN TO SHELF ABOVE. PROVIDE (2) DUPLEX OUTLETS BELOW DESK. PROVIDE (3) QUAD OUTLETS NEAR CEILING IN ALCOVE ABOVE DESK FOR RACK. SHOWN FOR GENERAL LOCATION. COORDINATE WITH OWNER.
12. EMPLOYEE CLOCK IN/OUT. (1) DUPLEX OUTLET AND (2) DATA PORTS MOUNTED IN 4-GANG SPLIT BOX WITH (1) COMBINATION FACE PLATE @ 48".
13. RECEPTACLE FOR REVERSE OSMOSIS 'RO' SYSTEM.
14. RECEPTACLE FOR WATER HEATER RECIRCULATING PUMP.
15. CONNECT THIS CIRCUIT OR PORTION OF CIRCUIT THRU AUTOMATIC TIME CONTROLLER. REFER TO BANTAM R-SERIES TIME CONTROL & CONTACTOR DETAIL ON DRAWING E003.
16. EXISTING EQUIPMENT TO BE REUSED. RETAIN EXISTING DISCONNECTS, CONTROLLERS, BRANCH CIRCUITS AND SERVING BREAKER. IDENTIFY EXISTING BREAKER/PANEL AND UPDATE CIRCUIT DIRECTORY.

ELECTRICAL CONTRACTOR KEY NOTES:

- SEE FOOD SERVICE PLANS FOR ALL HORIZONTAL MOUNTED RECEPTACLES.
- ALL EQUIPMENT UNDER HOODS SHALL BE PROVIDED WITH SHUNT TRIP BREAKERS.
- ALL 125 VOLT, 15A AND 20A RECEPTACLES IN KITCHEN/FOOD PREP/BAR AREAS SHALL BE GFCI TYPE OR PROTECTED BY A GFCI TYPE BREAKER. ALL RECEPTACLES WITHIN 6 FEET OF A WET AREA FOR AREAS OUTSIDE KITCHEN/FOOD PREP/BAR AREAS SHALL BE A GFCI TYPE OR PROTECTED BY A GFCI TYPE BREAKER. PROVIDE GFCI TYPE BREAKER FOR ALL OVERCURRENT PROTECTION DEVICES SERVING 250 VOLT, 1ø AND 3ø RECEPTACLES.
- PROVIDE 3/4" RIGID E.C. FROM ALL PRINTERS/P.O.S. STATIONS ETC. USING HOFFMAN BOXES AS REQUIRED. FROM CENTRAL POINT OF DISTRIBUTION, RUN 2" RIGID E.C. BACK TO OFFICE. TERMINATE AS DIRECTED BY OWNER/ARCHITECT.
- PROVIDE SAFETY SWITCH FOR ALL FOOD SERVICE EQUIPMENT, AS REQUIRED, IF NOT PROVIDED INTEGRAL WITH EQUIPMENT.

DATA DROP SCHEDULE

LOCATION	NUMBER OF CABLES	PORT PLATE QUANTITY & TYPE
EXPO	12	6 (2-PORT PLATES)
KITCHEN	4	2 (2-PORT PLATES)
BARISTA	4	2 (2-PORT PLATES)
POS	12	3 (4-PORT PLATES)

POWER & EQUIPMENT PLAN - BASEMENT

SCALE: 1/4" = 1'-0"

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

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PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

BASEMENT POWER & EQUIPMENT PLAN

STAMP:

COMMONWEALTH OF MASSACHUSETTS ADAM T. KOPP No. 51186 REGISTERED PROFESSIONAL ENGINEER

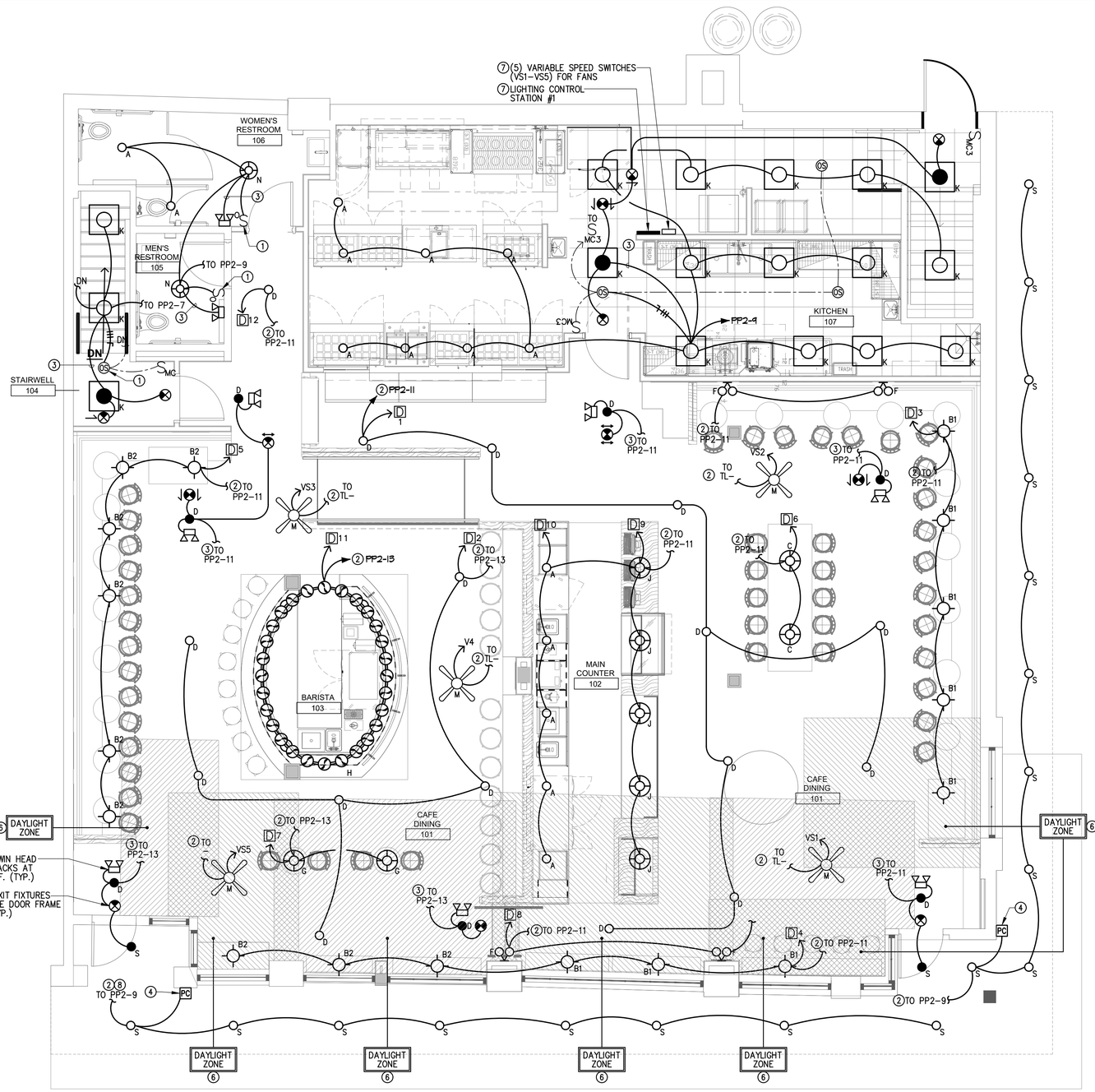
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EXPIRATION DATE: 06/30/24

SCALE: 1/4" = 1'-0"
0 4' 8'

PROJECT No. : 0721-18

K2 Engineering, Inc.
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E002



LIGHTING PLAN - 1ST FLOOR

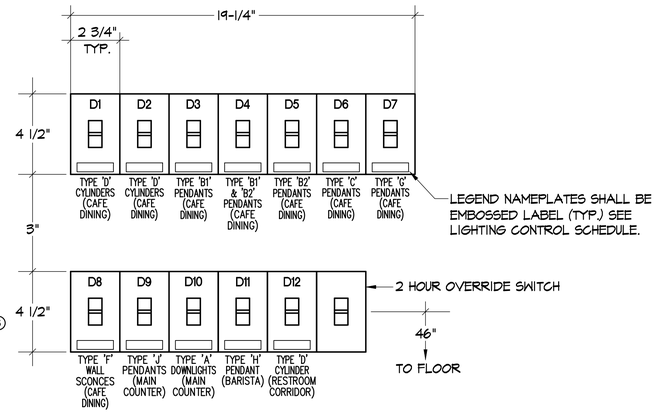
SCALE: 1/4" = 1'-0"

NOTES :

1. PROGRAM SENSOR FOR 'MANUAL-ON' OPERATION.
2. CONNECT THIS PORTION OF CIRCUIT THRU AUTOMATIC TIME CONTROLLER. REFER TO BANTAM TIME CONTROLLER & CONTACTOR DETAIL, THIS DRAWING.
3. CONNECT THIS PORTION OF CIRCUIT AHEAD OF ALL SWITCHING CONTROL DEVICES.
4. PROVIDE 'AUTO-ON' @ DUSK & 'AUTO-OFF' @ DAWN PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTS. COORDINATE LOCATION WITH LANDLORD & MANUFACTURER.
5. CONTROL PANEL, TIME CLOCK & MASTER OVERRIDE SWITCH. BANTAM R-SERIES 16 LINE VOLTAGE FEED THRU RELAY PANEL WITH (12) 120V, + (4) 277V, 30A (NO/NC) RELAYS. PROVIDE BUILT-IN ASTRONOMICAL/PROGRAMMABLE TIME CLOCK WITH MASTER OVERRIDE SWITCH CAPABILITY.
6. DAYLIGHT RESPONSIVE CONTROLS ARE NOT REQUIRED ON THE 1ST FLOOR ABOVE GRADE IN GROUP 'A2'.
7. LIGHTING & FAN SWITCH CONTROLS. REFER TO DETAILS, THIS DRAWING.
8. PROGRAM BANTUM CONTROL POINT FOR EXTERIOR SIGN LIGHTS TO AUTOMATICALLY REDUCE THE CONNECTED LIGHTING POWER BY AT LEAST 30% FROM 12 MIDNIGHT OR OR WITHIN 1 HOUR OF THE END OF BUSINESS OPERATIONS, WHICHEVER IS LATER, UNTIL 6 AM OR BUSINESS OPENING, WHICHEVER IS EARLIER.

LIGHTING CONTROL & GENERAL NOTES:

1. LIGHTS IN 'OFFICES, RESTROOMS & STORAGE ROOMS' TO BE CONTROLLED BY AREA OCCUPANCY SENSOR, U.O.N.
2. AREA OCCUPANCY SENSOR CONTROL SHALL AUTOMATICALLY TURN 'OFF' LIGHTS WITHIN 20 MINUTES OF ALL OCCUPANTS LEAVING THE SPACE.
3. AREA OCCUPANCY SENSOR CONTROL SHALL BE 'MANUAL-ON' BY MEANS OF MANUAL-ON SWITCH LOCATED AT ENTRY OF EACH SPACE, U.O.N.
4. MANUAL CONTROLS SHALL IDENTIFY AREA SERVED AND LIGHTS FIXTURES STATUS WHERE LOCATED IN AREA NOT VISIBLE TO LIGHTS BEING CONTROLLED.
5. LIGHTS IN 'DINING AREAS & BAR AREAS' SHALL OPERATE THRU AUTOMATIC TIME CONTROLLER WITH MANUAL WALL SWITCH CONTROL PER PLANS.
6. ALL EMERGENCY BATTERY LIGHTS SHALL BE CEILING MOUNTED. PROVIDE ALL MATERIALS/ HARDWARE FOR MOUNTING FIXTURES SUSPENDED FROM CEILING.

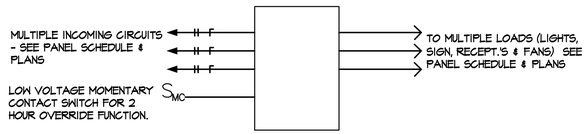


LIGHTING CONTROL STATION NO. 1

NO SCALE

LIGHTING CONTROL SCHEDULE

ZONE NUMBER	FIXTURE TYPE	QUANTITY	FIXTURE WATTAGE	TOTAL LOAD	REMARKS
D1	D	9	13	117	CYLINDERS (CAFE DINING)
D2	D	6	13	78	CYLINDERS (CAFE DINING)
D3	B1	5	9	45	PENDANTS (CAFE DINING)
D4	B1 & B2	6	9	54	PENDANTS (CAFE DINING)
D5	B2	6	9	54	PENDANTS (CAFE DINING)
D6	C	2	40	80	PENDANTS (CAFE DINING)
D7	G	2	40	80	PENDANTS (CAFE DINING)
D8	F	2	80	160	WALL SCONCE (CAFE DINING)
D9	J	5	40	200	PENDANTS (MAIN COUNTER)
D10	A	5	20	100	DOWNLIGHTS (MAIN COUNTER)
D11	H	1	560	560	PENDANT (BARISTA)
D12	D	1	13	13	CYLINDER (RESTROOM CORRIDOR)
				1541	



BANTAM R-SERIES WIRING SCHEMATIC

NO SCALE

NOTES:

1. COORDINATE OPERATING TIMES FOR LIGHTS, SIGN, & WATER HEATER RECIRC. PUMP WITH OWNER IN ORDER TO SET OPERATING TIMES VIA EZMAX INTEGRAL TIME CLOCK.
2. PROVIDE BATTERY BAK-UP UNIT FOR MONITORING SYSTEM PROGRAMMING & OPERATION FOR MINIMUM 10 HOURS.

SCALE: 1/4" = 1'-0"

0 4' 8'

NORTH ARROWS:



ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

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JOB TITLE & ADDRESS:

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PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

1ST FLOOR LIGHTING PLAN

STAMP:



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
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PROJECT No. : 0721-18

E003

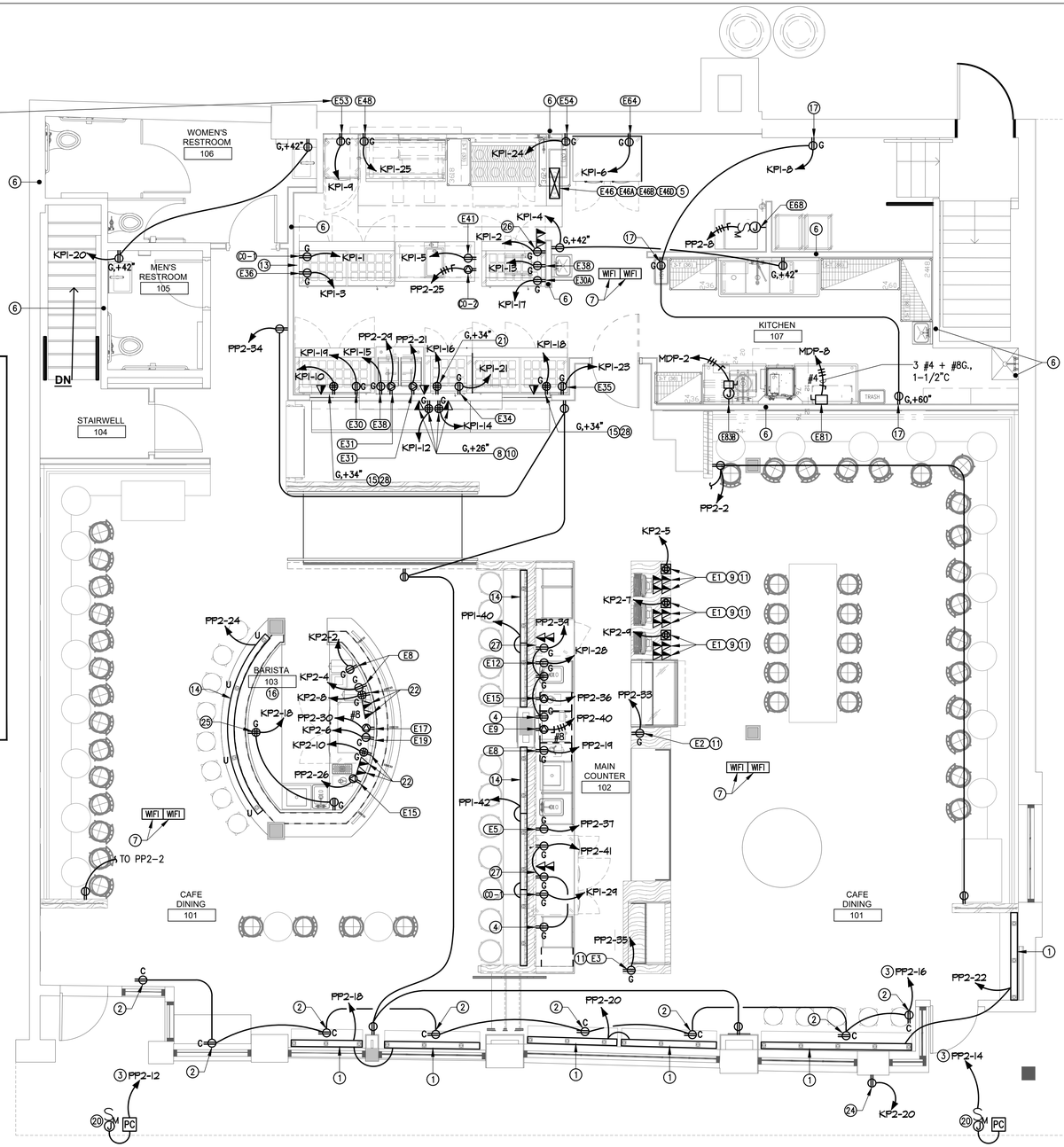
TYPICAL FOOD SERVICE ROUGH-IN NUMBER. REFER TO FOOD SERVICE DRAWINGS FOR EXACT LOCATION AND CHARACTERISTICS. CONFIRM NEMA CONFIGURATIONS - ADJUST CIRCUIT BREAKER, AS REQUIRED.

ELECTRICAL CONTRACTOR SHALL REFER TO FOOD SERVICE DWGS FOR ADDITIONAL WORK, SODA/BEER LINES, ETC.

CONFIRM MOUNTING HEIGHT & EXACT LOCATION OF ALL DEVICES WITH FOOD SERVICE & ARCHITECTURAL PLANS PRIOR TO ANY ROUGH-INS. CONTACT ARCHITECT FOR ANY CLARITY REQUIRED.

ELECTRICAL CONTRACTOR KEY NOTES:

- SEE FOOD SERVICE PLANS FOR ALL HORIZONTAL MOUNTED RECEPTACLES.
- ALL EQUIPMENT UNDER HOODS SHALL BE PROVIDED WITH SHUNT TRIP BREAKERS.
- ALL 125 VOLT, 15A AND 20A RECEPTACLES IN KITCHEN/FOOD PREP/BAR AREAS SHALL BE GFCI TYPE OR PROTECTED BY A GFCI TYPE BREAKER. ALL RECEPTACLES WITHIN 6 FEET OF A WET AREA FOR AREAS OUTSIDE KITCHEN/FOOD PREP/BAR AREAS SHALL BE A GFCI TYPE OR PROTECTED BY A GFCI TYPE BREAKER. PROVIDE GFCI TYPE BREAKER FOR ALL OVERCURRENT PROTECTION DEVICES SERVING 250 VOLT, 1ø AND 3ø RECEPTACLES.
- PROVIDE 3/4" RIGID E.C. FROM ALL PRINTERS/P.O.S. STATIONS ETC. USING HOFFMAN BOXES AS REQUIRED. FROM CENTRAL POINT OF DISTRIBUTION, RUN 2" RIGID E.C. BACK TO OFFICE. TERMINATE AS DIRECTED BY OWNER/ARCHITECT.
- PROVIDE SAFETY SWITCH FOR ALL FOOD SERVICE EQUIPMENT, AS REQUIRED, IF NOT PROVIDED INTEGRAL WITH EQUIPMENT.



POWER PLAN - 1ST FLOOR

SCALE: 1/4" = 1'-0"

NOTES:

1. G.C. TO INSTALL PLUG MOLDS AT UNDERSIDE OF DRINK RAIL COUNTERS. POWER WIRING MUST BE FED UP THE BACK SIDE OF POST THROUGH FLOOR CORE. ALL WIRING TO BE RUN TIGHT TO THE BACK SIDE OF POST, TYP. PLUG MOLD TO BE WHITE. PLACE USB OUTLET EVERY 4'-0".
2. PROVIDE CEILING MOUNTED RECEPTACLE FOR SHOW WINDOW REQUIREMENT. MOUNT RECEPTACLE WITHIN 18" FROM TOP OF WINDOW
3. CONNECT THIS CIRCUIT OR PORTION OF CIRCUIT THRU AUTOMATIC TIME CONTROLLER. REFER TO BANTAM R-SERIES TIME CONTROL & CONTACTOR DETAIL ON DRAWING E003.
4. G.C. TO PROVIDE CONVENIENCE DUPLEX WITHIN MILLWORK CABINET FOR FUTURE USE 18" AFF.
5. HOOD CONTROL PANEL. REFER TO DRAWING E005 FOR ELECTRICAL REQUIREMENTS.
6. ALL ELECTRICAL/ PLUMBING TO BE RUN THROUGH PROVIDED CHASE WALL AND DISPERSED AS REQUIRED. COORDINATE WITH MEP DRAWINGS.
7. (2) WAP DROP @ CEILING. VERIFY ALL WIFI LOCATIONS WITH OWNER IN FIELD.
8. (2) DATA PORT PLATES, (4) DATA DROPS, AND (1) QUAD REQUIRED. SEE MOUNTING HEIGHTS ON PLAN. COORDINATE WITH FINAL SHELF HT. GROMMETS AT SHELF BY TRIMARK.
9. (1) DATA PORT PLATE, (4) DATA DROPS, AND (1) QUAD REQUIRED PER POS LOCATION. PROVIDE 3 POS CONNECTION POINTS. FINAL NUMBER OF POS STATIONS TO BE DECIDED BY OWNER.
10. DIMENSIONS ARE TO TOP OF OUTLET COVERS. COORDINATE WITH STAINLESS STEEL SHELVING HEIGHT.
11. ALL EQUIPMENT, RECEPTACLES, AND DEVICES LOCATED IN THIS AREA SHALL BE SERVED FROM BRANCH CIRCUITS ROUTED BELOW GRADE. CONDUITS SHALL BE BURIED MINIMUM 24" BELOW GRADE.
12. ALL POWER AND DATA OUTLETS TO BE LOCATED IN THE BACK OF CABINETS.
13. POWER AND DATA REQUIRED AT TOMBSTONE IN OVERSHELF PROVIDED BY KEC. COORDINATE WITH KEC DRAWINGS.
14. G.C. TO INSTALL WHITE PLUG MOLDS AT UNDERSIDE OF MAIN PASTRY AND BLACK OR BROWN AT BARISTA COUNTER. POWER WIRING MUST BE FED THROUGH DIE WALL. PLACE USB OUTLET EVERY 4'-0" STARTING 1'-0" FROM DIE WALL EDGE INSTALLED TIGHT TO DIE WALL WITH RECEPTACLE SLOTS FACING FLOOR.
15. OUTLETS TO BE INSTALLED ABOVE REFRIGERATION EQUIPMENT AND TABLE BACKSPLASHES. TO BE INSTALLED HORIZONTALLY. ADJUST WALL HEIGHT AS NECESSARY.
16. ALL BRANCH CIRCUITS TO REMAIN BELOW COUNTERS IN CHASE WALL TO COLUMN TO CEILING SPACE.
17. OUTLET FOR BUG LIGHT TO BE AT 5' AFF.
18. NOT USED.
19. NOT USED.
20. G.C./ ENGINEER TO PROVIDE CIRCUIT/ ELECTRICAL CONNECTION FOR EXTERIOR SIGNAGE ILLUMINATION. SIGNAGE TO BE ON PHOTOCELL.
21. (1) DATA PORT PLATES, (2) DATA DROPS, AND (1) DUPLEX FOR KDS SCREEN. G.C. TO COORDINATE SCREEN MOUNTING.
22. (1) DATA PORT PLATES, (2) DATA DROPS, AND (1) QUAD REQUIRED. CONFIRM ALL REQUIRED EQUIPMENT ELECTRICAL REQUIREMENTS WITH KITCHEN. ALL OUTLETS TO BE BELOW COUNTER. MILLWORKER TO CONFIRM CORING LOCATIONS WITH OWNER. INSIDE CABINET.
23. NOT USED.
24. GC TO INSTALL FROST HOSE BIB AT EXTERIOR WALL. GC TO INSTALL EXTERIOR OUTLET. CONFIRM FINAL LOCATION WITH EXTERIOR CONDITIONS.
25. (1) QUAD REQUIRED. CONFIRM ALL REQUIRED EQUIPMENT ELECTRICAL REQUIREMENTS WITH KITCHEN. ALL OUTLETS TO BE BELOW COUNTER. MILLWORKER TO CONFIRM CORING LOCATIONS WITH OWNER.
26. (2) DATA AND (1) DUPLEX REQUIRED. TO BE INSTALLED 6" ABOVE TOP SHELF OF OVERSHELF. COORDINATE WITH KEC DRAWINGS.
27. (1) DATA PORT PLATES, (2) DATA DROPS, AND (1) DUPLEX REQUIRED. HOLE TO BE CUT IN STONE COUNTERTOP AT ACCOMODATE WIRING - COORDINATE WITH OWNER.
28. (1) DATA PORT PLATES, (2) DATA DROPS, AND (1) QUAD REQUIRED. SEE MOUNTING HEIGHTS ON PLAN. COORDINATE WITH FINAL SHELF HT. GROMMETS AT SHELF BY TRIMARK.

DATA DROP SCHEDULE

LOCATION	NUMBER OF CABLES	PORT PLATE QUANTITY & TYPE
EXPO	12	6 (2-PORT PLATES)
KITCHEN	4	2 (2-PORT PLATES)
BARISTA	4	2 (2-PORT PLATES)
POS	12	3 (4-PORT PLATES)

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS, LICENSE No: 51186 EXPIRATION DATE: 06/30/24

SCALE: 1/4" = 1'-0"
0 4' 8'

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

McMahon architects
535 ALBANY STREET
BOSTON, MA 02118
T 617.482.5353
www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

1ST FLOOR POWER PLAN

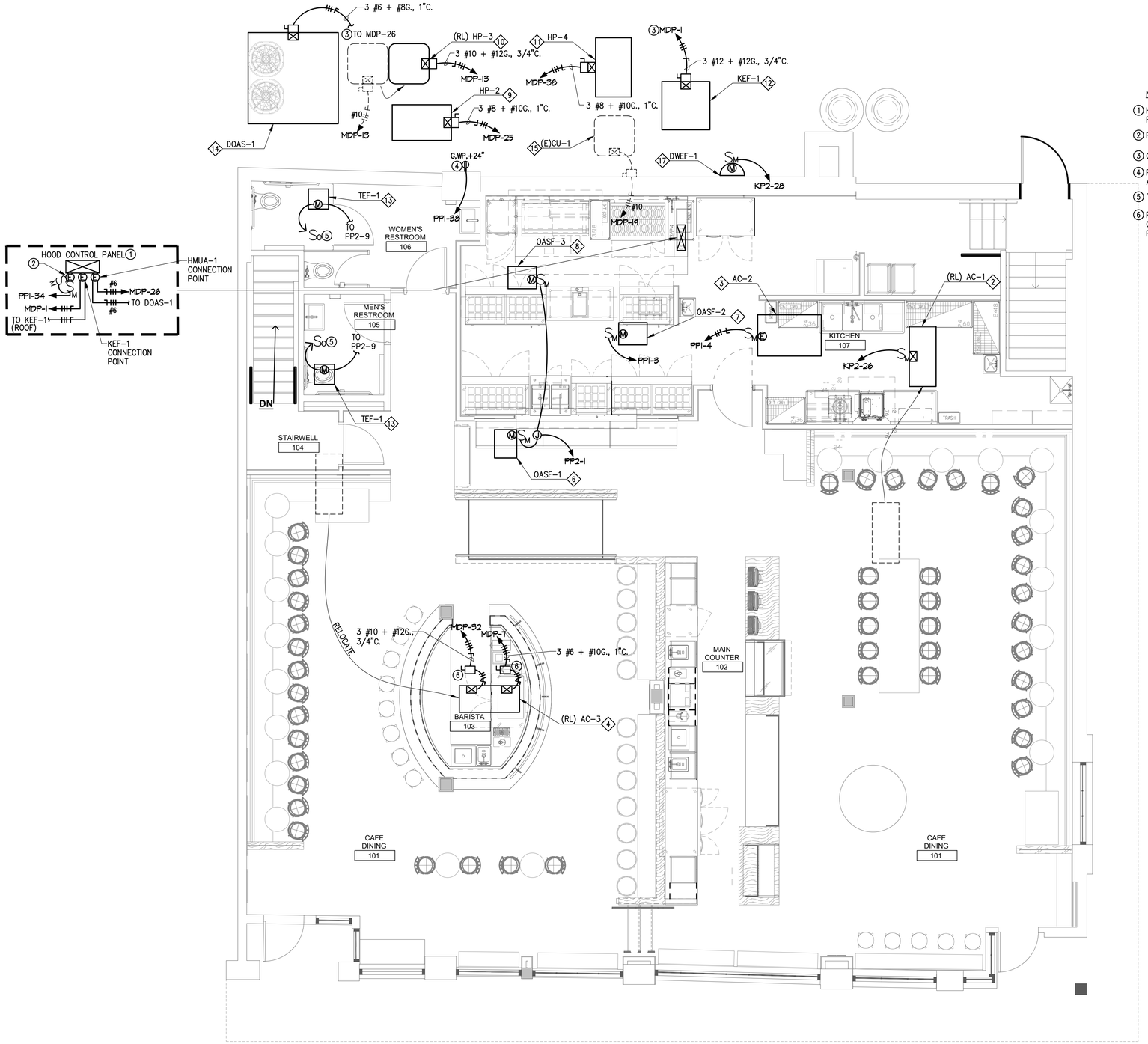
STAMP:

ADAM R. KOPEL REGISTERED No. 51186 COMMONWEALTH OF MASSACHUSETTS REGISTERED PROFESSIONAL ENGINEER

PROJECT No. : 0721-18

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

E004



NOTES :

1. HOOD CONTROL PANEL. PROVIDE ALL ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
2. FAN & LIGHT CONTROL SWITCH AND CONTROL PANEL TERMINATION POINT.
3. CIRCUIT CONNECTED AND CONTROLLED THRU HOOD CONTROL PANEL.
4. PROVIDE NEMA 5-20R RECEPTACLE FOR SERVICING. LOCATE RECEPTACLE IN AN ACCESSIBLE LOCATION, WITHIN 25'-0" & AT THE SAME LEVEL OF EQUIPMENT.
5. TO AREA OCCUPANCY SENSOR SWITCH.
6. PROVIDE U-STRUT AND MOUNT DISCONNECT TO BUILDING STRUCTURE, INDEPENDENT OF UNIT. LOCATE DISCONNECT IN AN ACCESSIBLE LOCATION AND MAINTAIN CODE REQUIRED WORKING CLEARANCE.

EQUIPMENT PLAN - 1ST FLOOR

SCALE: 1/4" = 1'-0"

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

McMahon architects
535 ALBANY STREET
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JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE:	As indicated
DRAWN BY:	AK/KK/SM
CHECKED BY:	AK/KK/SW
JOB NO:	2022-3904

SHEET TITLE:

1ST FLOOR EQUIPMENT PLAN

STAMP:

COMMONWEALTH OF MASSACHUSETTS
ADAM R. KOPEL
REGISTERED
No. 51186
REGISTERED PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
LICENSE No: 51186
EXPIRATION DATE: 06/30/24

SCALE: 1/4" = 1'-0"
0 4' 8'

PROJECT No. : 0721-18

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

E005

PANELBOARD SCHEDULE

NAME	LOCATION	MOUNTING	SUPPLIED FROM	VOLTAGE, ø, NUMBER OF WIRES	BUS SIZE AMP	AIC RATING	MAIN O.C. DEVICE
PP1	BASEMENT –	SURFACE	400A ECB	240/120V, 1ø, 3W.	200A	10K	200A M.C.B.

EXISTING

		LOAD kVA	CKT. TRIP	BKR. POLE	CIRCUIT # AND PHASE	CKT. POLE	BKR. TRIP	LOAD kVA		LOAD DESCRIPTION	
(1)	RCP – BSMT.	0.6	20	1	1A	2A	1	20	0.6		RECEPTACLES – 001	(1)
(1)	RECEPTACLES – BSMT.		0.6	20	1	3B	4B	1	20		0.6	RECEPTACLES – 001	(1)
(1)	RECEPTACLES – BSMT.	0.6		20	1	5A	6A	1	20	0.6		CONV. RECEPTACLE – 001	(1)
(1)	RECEPTACLES – BSMT.		0.6	20	1	7B	8B	2	15		1.0	AC–4	(2)(3)
(1)	RECEPTACLES – BSMT.	0.6		20	1	9A	10A	–	–	1.0		–	(2)
(1)	RECEPTACLES – BSMT.		0.6	20	1	11B	12B	1	20		0.5	LIGHTS – BSMT.	EX
EX	BSMT. BATHROOM	0.5		20	1	13A	14A	1	20	0.5		LIGHTS – BSMT.	EX
(1)	CLOCK RECEPTACLE – BSMT.		1.3	20	1	15B	16B	1	20		0.5	HOT WATER HEATER	EX
(1)	RECEPTACLES – 001	0.6		20	1	17A	18A	1	20	0.6		RECEPTACLES – VEGGIE WASH	(1)
(1)	RECEPTACLES – 001		1.0	20	1	19B	20B	1	20		0.6	CONV. RECEPTACLE – 001	(1)
(1)	RECEPTACLES – 001	0.6		20	1	21A	22A	1	20	0.6		RECEPTACLES – 001	(1)
(1)	RECEPTACLES – 001		0.6	20	1	23B	24B	1	20		0.6	RECEPTACLES – 001	(1)
(1)	CONV. RECEPTACLES – 001	0.6		20	1	25A	26A	1	20	0.6		CONV. RECEPTACLE – 001	(1)
(1)	CONV. RECEPTACLES – 001		0.6	20	1	27B	28B	1	20		0.6	RECEPTACLES – 001	(1)
(1)	RECEPTACLES – VEGGIE WASH	0.6		20	1	29A	30A	1	20	0.6		RECEPTACLES – 001	(1)
(3)	E97 BLAST CHILLER – 001		0.6	20	1	31B	32B	1	20		0.5	KEF–2	(1)
EX	E MONITOR	0.2		20	1	33A	34A	1	20	0.6		HOOD CONTROL PANEL – 107	(1)
EX	CONDENSER		0.6	20	2	35B	36B	1	20		0.2	FIRE ALARM	EX
	(KITCHEN WALK–IN)	0.6		–	–	37A	38A	1	20	0.2		HVAC SERVICE RECEPTACLE	(1)
	SPARE		–	60	2	39B	40B	1	20		1.2	PLUGMOLD – 102	(1)
	–	–		–	–	41A	42A	1	20	1.6		PLUGMOLD – 102	(1)
TOTAL CONNECTED LOAD = 24.4KVA		4.7	5.9	CONNECTED TOTAL = 24.4kVA				7.5	6.3				

DEMAND LOAD : (LIGHTING) – 1.0KVA @ 125% = 1.3KVA
(RECEPTACLES) – 7.9KVA @ 50% = 4.0KVA
10.0KVA @ 100% = 10.0KVA
(KITCHEN) – 3.0KVA @ 65% = 1.9KVA
(MISC./WATER HEATER) – 0.7KVA @ 100% = 0.7KVA
(HVAC/EQUIP.) – 1.8KVA @ 100% = 1.8KVA
(LARGEST MOTOR) – ____KVA @ 125% = ____KVA

TOTAL DEMAND LOAD = 19.7KVA
OCPD = 82.1 AMPS

PANELBOARD SCHEDULE

NAME	LOCATION	MOUNTING	SUPPLIED FROM	VOLTAGE, ø, NUMBER OF WIRES	BUS SIZE AMP	AIC RATING	MAIN O.C. DEVICE
PP2	BASEMENT –	SURFACE	400A ECB	240/120V, 1ø, 3W.	200A	10K	200A M.C.B.

EXISTING

		LOAD kVA	CKT. TRIP	BKR. POLE	CIRCUIT # AND PHASE	CKT. POLE	BKR. TRIP	LOAD kVA		LOAD DESCRIPTION	
(1)	OASF–1 & OASF–3 – 1ST FLOOR	0.7		20	1	1A	2A	1	20	0.6		RECEPTACLES – 101	(1)
(1)	OASF–2 – 1ST FLOOR		0.8	20	1	3B	4B	2	15		1.2	AC–2	(2)(3)
(1)	REVERSE OSMOSIS – BASEMENT	0.4		20	1	5A	6A	–	–	1.2		–	(2)
(1)	LIGHTING – BASEMENT		1.5	20	1	7B	8B	2	20		1.1	ICE MAKER – 107 E68	(1)
(1)	LIGHTING – 105, 106, 107 & EXTERIOR	1.3		20	1	9A	10A	–	–	1.0		–	
(1)	LIGHTING – 101, 102 & 103		1.2	20	1	11B	12B	1	20		1.2	SIGN CIRCUIT – EXTERIOR	(1)
(1)	LIGHTING – 103	0.6		20	1	13A	14A	1	20	1.2		SIGN CIRCUIT – EXTERIOR	(1)
EX	E MONITOR		0.2	20	1	15B	16B	1	20		1.6	SHOW WINDOW RECEPTACLES – 101	(1)
EX	E MONITOR	0.2		20	1	17A	18A	1	20	0.8		PLUGMOLD – 101	(1)
(1)	E8 COFFEE GRINDER – 102		1.9	20	1	19B	20B	1	20		0.9	PLUGMOLD – 101	(1)
(2)(3)(4)	E31 PANINI GRILL – 107	1.7		20	2	21A	22A	1	20	0.9		PLUGMOLD – 101	(2)(3)
	–		1.8	–	–	23B	24B	1	20		1.2	PLUGMOLD – 103	(3)
(2)(3)(4)	C02 CONVENIENCE OUTLET – 107	1.0		20	2	25A	26A	2	20	1.4		WATER DISPENSER – 103 E15	(2)(3)(4) (5)
	–		1.0	–	–	27B	28B	–	–		1.4	–	
(2)(3)(4)	E31 PANINI GRILL – 107	1.7		20	2	29A	30A	2	50	4.2		ESPRESSO MACHINE – 103 E17	(2)(3)(4)
	–		1.8	–	–	31B	32B	–	–		4.1	–	
(2)(3)	E2 DISPLAY CASE – 102	1.3		15	1	33A	34A	1	20	0.9		RECEPTACLES – 101	
(3)	E3 REFRIGERATED CASE – 102	1.4		15	1	35B	36B	2	20		1.4	WATER DISPENSER – 102 E15	(2)(3)(4)
(3)	E5 REFRIGERATOR – 102	0.6		15	1	37A	38A	–	–	1.4		–	
(3)	COUNTER RECEPTACLES – 102		0.6	20	1	39B	40B	2	50		3.6	COFFEE TEA BREWER – 102 E9	(2)(3)(4)
(3)	COUNTER RECEPTACLES – 102	0.6		20	1	41A	42A	–	–	3.6		–	
TOTAL CONNECTED LOAD = 57.2KVA		10.1	12.2	CONNECTED TOTAL = 57.2kVA				17.2	17.7				

DEMAND LOAD : (LIGHTING/SIGN) – 7.0KVA @ 125% = 8.8KVA
(RECEPTACLES) – ____KVA @ 50% = ____KVA
8.1KVA @ 100% = 8.1KVA
(KITCHEN) – 37.8KVA @ 65% = 24.6KVA
(MISC.) – 0.4KVA @ 100% = 0.4KVA
(HVAC/EQUIP.) – 3.4KVA @ 100% = 3.4KVA
(LARGEST MOTOR) – 0.5KVA @ 125% = 0.6KVA

TOTAL DEMAND LOAD = 45.9KVA
OCPD = 191.2 AMPS

PANELBOARD SCHEDULE

NAME	LOCATION	MOUNTING	SUPPLIED FROM	VOLTAGE, ø, NUMBER OF WIRES	BUS SIZE AMP	AIC RATING	MAIN O.C. DEVICE
KP1	BASEMENT –	SURFACE	400A ECB	240Y/120V, 1ø, 3W.	125A	10K	M.L.O.

–

		LOAD kVA	CKT. TRIP	BKR. POLE	CIRCUIT # AND PHASE	CKT. POLE	BKR. TRIP	LOAD kVA		LOAD DESCRIPTION	
C01	CONVENIENCE RECEPTACLE – 107	0.6		20	1	1A	2A	1	20	0.6		QUAD. RECEPTACLE – 107	
E36	PREP REFRIGERATOR – 107		0.7	15	1	3B	4B	1	20		0.4	CONVENIENCE RECEPTACLES – 107	
E41	HOT FOOD WELL – 107	1.7		20	1	5A	6A	1	15	0.8		REACH–IN REFRIGERATOR – 107 E64	
	SPARE		–	20	1	7B	8B	1	20		0.6	BUG LIGHTS – 107	
E53	HOLDING CABINET – 107	1.1		15	1	9A	10A	1	20	0.6		COUNTER QUAD. RECEPTACLE – 107	
E54	FOOD PAN WARMER – 107		0.7	15	1	11B	12B	1	20		0.6	COUNTER QUAD. RECEPTACLE – 107	
E38	MICROWAVE – 107	1.6		20	1	13A	14A	1	20	0.6		COUNTER QUAD. RECEPTACLE – 107	
E38	MICROWAVE – 107		1.6	20	1	15B	16B	1	20		0.6	COUNTER QUAD. RECEPTACLE – 107	
E30A	PREP REFRIGERATOR – 107	0.5		15	1	17A	18A	1	20	0.6		COUNTER QUAD. RECEPTACLE – 107	
E30	PREP REFRIGERATOR – 107		0.7	15	1	19B	20B	1	20		0.36	GFI RECEPTACLES – 105 & 106	
E34	PREP REFRIGERATOR – 107	0.3		15	1	21A	22A	1	20	–		SPARE	
E35	PREP REFRIGERATOR – 107		0.7	15	1	23B	24B	1	15		0.7	FOOD PAN WARMER – 107 E54	(5)
E48	SHUNT TRIP	0.3		15	1	25A	26A	1	20	–		SHUNT TRIP	
	SHUNT TRIP		–	20	1	27B	28B	1	20		0.2	REFRIGERATOR – 102 E12	
C01	CONVENIENCE RECEPTACLE – 102	0.6		20	1	29A	30A	1	20	–		SPARE	
	SPACE		–	20	1	31B	32B	1	20		–	SPACE	
	SPACE	–		–	1	33A	34A	1	–	–		SPACE	
	SPACE		–	–	1	35B	36B	1	–		–	SPACE	
	SPACE	–		–	1	37A	38A	1	–	–		SPACE	
	SPACE		–	–	1	39B	40B	1	–		–	SPACE	
	SPACE	–		–	1	41A	42A	1	–	–		SPACE	
TOTAL CONNECTED LOAD = 17.8KVA		6.7	4.4	CONNECTED TOTAL = 17.8kVA				3.2	3.5				

DEMAND LOAD : (LIGHTING) – ____KVA @ 125% = ____KVA
(RECEPTACLES) – ____KVA @ 50% = ____KVA
4.4KVA @ 100% = 4.4KVA
(KITCHEN) – 12.8KVA @ 65% = 8.4KVA
(MISC.) – 0.6KVA @ 100% = 0.6KVA
(HVAC/EQUIP.) – ____KVA @ 100% = ____KVA
(LARGEST MOTOR) – ____KVA @ 125% = ____KVA

TOTAL DEMAND LOAD = 13.4KVA
OCPD = 55.9 AMPS

PANELBOARD SCHEDULE

NAME	LOCATION	MOUNTING	SUPPLIED FROM	VOLTAGE, ø, NUMBER OF WIRES	BUS SIZE AMP	AIC RATING	MAIN O.C. DEVICE
KP2	BASEMENT –	SURFACE	400A ECB	240/120V, 1ø, 3W.	200A	10K	200A M.C.B.

EXISTING

		LOAD kVA	CKT. TRIP	BKR. POLE	CIRCUIT # AND PHASE	CKT. POLE	BKR. TRIP	LOAD kVA		LOAD DESCRIPTION	
	SPARE	–		30	2	1A	2A	1	20	1.9		COFFEE GRINDER – 103 E8	(1)
	–		–	–	–	3B	4B	1	20		1.9	COFFEE GRINDER – 103 E8	(1)
(1)	E1 POS – 102	0.6		20	1	5A	6A	1	15	0.3		REFRIGERATOR – 103 E19	(2)(3)
(1)	E1 POS – 102		0.6	20	1	7B	8B	1	20		0.4	COUNTER RECEPTACLES – 103	(3)
(1)	E1 POS – 102	0.6		20	1	9A	10A	1	20	0.4		COUNTER RECEPTACLES – 103	(1)
EX	AHU – DINING		0.6	20	1	11B	12B	2	30		–	SPARE	
EX	WP/GFI RECEPTACLE – BSMT.	0.6		20	1	13A	14A	–	–	–		–	
EX	RECEPTACLES – BSMT.		0.6	20	1	15B	16B	1	20		0.2	E MONITOR	EX
EX	RECEPTACLES – BSMT.	0.6		20	1	17A	18A	1	20	0.8		COUNTER RECEPTACLES – 103	(1)
EX	REM. COMPRESSOR		0.5	20	2	19B	20B	1	20		0.6	RECEPTACLE – EXTERIOR	(1)
	–	0.5		–	–	21A	22A	2	20	0.4		BEER COOLER COMPRESSOR	EX
EX	LIGHTS – BEER COOLER		0.2	20	1	23B	24B	–	–		0.4	–	EX
EX	WALK–IN LIGHTS	0.2		20	1	25A	26A	1	20	0.6		(RL) AC–1	(2)
EX	COOLER COMPRESSOR		0.6	20	2	27B	28B	1	20		0.5	DWEF–1	(1)
	–	0.6		–	–	29A	30A	1	20	0.1		SPRINKLER BELL	EX
EX	FREEZER COMPRESSOR		1.0	30	2	31B	32B	1	20		0.2	PHONE SYSTEM	EX
	–	1.0		–	–	33A	34A	1	20	0.4		REMOTE COMPRESSOR	EX
EX	FREEZER FANS		0.4	20	2	35B	36B	2	20		–	SPARE	
	–	0.4		–	–	37A	38A	–	–	–		–	
EX	COOLER FANS		0.6	20	1	39B	40B	1	20		–	SPARE	
	SPACE	–		–	1	41A	42A	1	–	–		SPACE	
TOTAL CONNECTED LOAD = 19.3KVA		5.1	5.1	CONNECTED TOTAL = 19.3kVA				4.9	4.2				

DEMAND LOAD : (LIGHTING) – 0.2KVA @ 125% = 0.3KVA
(RECEPTACLES) – ____KVA @ 50% = ____KVA
4.0KVA @ 100% = 4.0KVA
(KITCHEN) – 5.9KVA @ 65% = 3.9KVA
(MISC.) – 0.5KVA @ 100% = 0.5KVA
(HVAC/EQUIP.) – 8.1KVA @ 100% = 8.1KVA
(LARGEST MOTOR) – 0.8KVA @ 125% = 0.8KVA

TOTAL DEMAND LOAD = 17.6KVA
OCPD = 73.4 AMPS

1ST FLOOR

PANELBOARD SCHEDULE

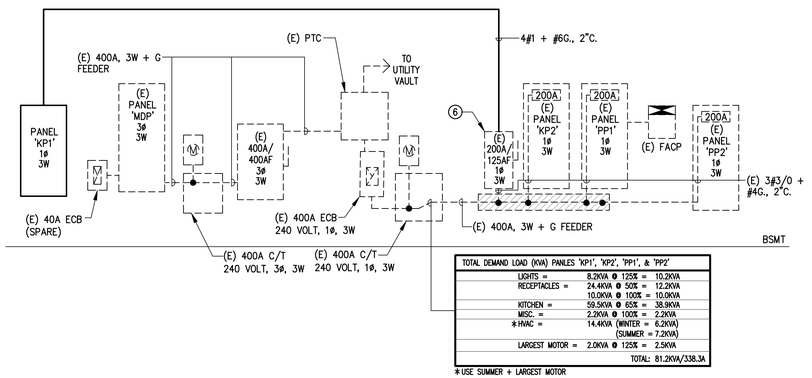
NAME	LOCATION	MOUNTING	SUPPLIED FROM	VOLTAGE, ø, NUMBER OF WIRES	BUS SIZE AMP	AIC RATING	MAIN O.C. DEVICE
MDP	BASEMENT –	SURFACE	400A FSS	240/120V, 3ø, 3W.	400A	10K	M.L.O.

EXISTING

		LOAD kVA		CKT. TRIP	BKR. POLE	CIRCUIT # AND PHASE		CKT. POLE	BKR. TRIP		LOAD kVA		LOAD DESCRIPTION	
(1)	KEF–1	1.3		20	3	1A	2A	3	20	0.8			DISPOSER – 107 E83	(1)
	–		1.3	–	–	3B	4B	–	–		0.8		–	
	–			–	–	5C	6C	–	–			0.8	–	
	(R) AC–3 HEATER	6.5		60	3	7A	8A	3	80	7.4			DISHWASHER – 107 E81	(2)(3)
	–		6.5	–	–	9B	10B	–	–		7.4		–	(2)
	–			–	6.5	11C	12C	–	–			7.4	–	(2)
EX	5 TON A/C UNIT – DINING	2.4		30	3	13A	14A	3	20	–			SPARE	
	(R) HP–3		2.4	–	–	15B	16B	–	–		–		–	
	–			–	2.4	17C	18C	–	–			–	–	
EX	5 TON A/C UNIT – BAR	2.4		30	3	19A	20A	3	40	3.3			BREAD OVEN – 001 E99	(1)
	(E) CU–1		2.4	–	–	21B	22B	–	–		3.3		–	
	–			–	2.4	23C	24C	–	–			3.3	–	
(3)	HP–2	5.1		50	3	25A	26A	3	60	6.2			DOAS–1	(1)
(2)	–		5.1	–	–	27B	28B	–	–		6.2		–	
(2)	–			–	5.1	29C	30C	–	–			6.2	–	
	SPARE	–		20	2	31A	32A	3	25	2.8			(R) AC–3 FAN	(2)(3)
	–		–	–	–	33B	34B	–	–		2.8		–	(2)
EX	SPARE			–	30	3	35C	36C	–	–			2.8	–	(2)
	–	–		–	–	37A	38A	3	50	5.1			HP–4	(1)
	–		–	–	–	39B	40B	–	–		5.1		–	
EX	E MONITOR			0.1	20	1	41C	42C	–	–		5.1	–	
								38A	3	125	–		SPARE	
								40B	–	–		–	–	
								42C	–	–			–	
TOTAL CONNECTED LOAD = 130.0KVA		17.7	17.7	17.8	CONNECTED TOTAL = 130.0kVA			25.6	25.6	25.6				

DEMAND LOAD : (LIGHTING) – ____KVA @ 125% = ____KVA
(RECEPTACLES) – ____KVA @ 50% = ____KVA
____KVA @ 100% = ____KVA
(KITCHEN) – 34.8KVA @ 65% = 22.7KVA
(MISC.) – 0.1KVA @ 100% = 0.1KVA
(HVAC/EQUIP.) – 88.6KVA @ 100% = 88.6KVA
(LARGEST MOTOR) – 6.5KVA @ 125% = 8.2KVA

TOTAL DEMAND LOAD = 119.6KVA
OCPD = 332.3 AMPS



TOTAL DEMAND LOAD (KVA) PANLES 'KP1', 'KP2', 'PP1', & 'PP2'			
LIGHTS =	8.2KVA @ 125% =	10.2KVA	
RECEPTACLES =	24.4KVA @ 50% =	12.2KVA	
	10.0KVA @ 100% =	10.0KVA	
KITCHEN =	59.5KVA @ 65% =	38.9KVA	
MISC. =	2.2KVA @ 100% =	2.2KVA	
*HVAC =	14.4KVA (WINTER = 6.2KVA)		
	(SUMMER = 7.2KVA)		
LARGEST MOTOR =	2.0KVA @ 125% =	2.5KVA	
	TOTAL:	81.2KVA/338.3A	

*USE SUMMER + LARGEST MOTOR

POWER RISER DIAGRAM

NO SCALE

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	VOLTAGE	PHASE	AMPS	KW/KVA/HP	RECEPT. (NEMA) / DISCONNECT	REMARKS
1	RCP–1	120	1	–	55W	5–20R	–
2	(RL) AC–1	120	1	9.8A	0.5HP	20A/1P/NFSS(MS)	–
3	AC–2	240	1	10.2A / 15.0A MOCP	–	20A/2P/NFSS(MS) + NEMA STARTER	–
4	(RL) AC–3	240	1	FAN: 25.0 MCA/25.0A MOCP + HEATER: 58.5 MCA/60.0A MOCP	–	30A/3P/NFSS + NEMA–3R STARTER & 60A/3P/NFSS	–
5	AC–4	240	1	10.2A / 15.0A MOCP	–	15A/2P/NFSS(MS) + NEMA STARTER	–
6	OASF–1	120	1	2.9 FLA / 20.0A MOCP	–	20A/1P/NFSS(MS)	–
7	OASF–2	120	1	6.3 FLA / 20.0A MOCP	–	20A/1P/NFSS(MS)	–
8	OASF–3	120	1	2.9 FLA / 20.0A MOCP	–	20A/1P/NFSS(MS)	–
9	HP–2	240	3	46.0 MCA / 50.0A MOCP	–	60A/3P/NFSS (NEMA–3R) + NEMA STARTER	–
10	(RL) HP–3	240	3	21.5 MCA / 30.0A MOCP	–	30A/3P/NFSS (NEMA–3R) + NEMA STARTER	RELOCATED
11	HP–4	240	3	46.0 MCA / 50.0A MOCP	–	60A/3P/NFSS (NEMA–3R) + NEMA STARTER	–
12	KEF–1	240	3	9.5 FLA / 11.9 MCA / 20.0A MOCP	3.0HP	30A/3P/NFSS + NEMA–3R STARTER	–
13	TEF–1	120	1	1.3 FLA	–	20A/1P/NFSS(MS)	–
14	DOAS–1	240	3	56.1 MCA / 60.0A MOCP	2.0HP	60A/3P/NFSS + NEMA–3R STARTER	–
15	CU–1	240	3	21.4 MCA / 30.0A MOCP	2.0HP	30A/3P/NFSS + NEMA–3R STARTER	EXISTING
16	KEF–2	115	1	6.3 FLA	–	20A/1P/NFSS(MS)	–
17	DWEF–1	115	1	4.3 FLA	–	20A/1P/NFSS(MS)	–

NOTES :

1. CONNECT TO EXISTING BREAKER MADE 'SPARE' FROM DEMOLITION OF EXISTING CIRCUIT(S).
2. DISCONNECT & REMOVE EXISTING CIRCUIT BREAKER.
3. PROVIDE CIRCUIT BREAKER, SIZE AS INDICIATED, COMPATIBLE WITH EXISTING PANELBOARD MANUFACTURER.
4. PROVIDE 'GFCI' TYPE CIRCUIT BREAKER.
5. PROVIDE SHUNT TRIP CIRCUIT BREAKER & INTERLOCK WITH HOOD CONTROL PANEL.
6. PROVIDE 125A CURRENT LIMITING, DUAL ELEMENT, TIME DELAY FUSES.

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
LICENSE No: 51186
EXPIRATION DATE: 06/30/24

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

McMahon architects
535 ALBANY STREET
BOSTON, MA 02118
T 617.482.5353
www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

ELECTRICAL SCHEDULES & POWER RISER DIAGRAM

STAMP:

ADAM R. KOSIER
No. 51186
REGISTERED PROFESSIONAL ENGINEER
COMMONWEALTH OF MASSACHUSETTS

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540–734–4010

PROJECT No. : 0721-18

E006

ELECTRICAL SCHEDULE

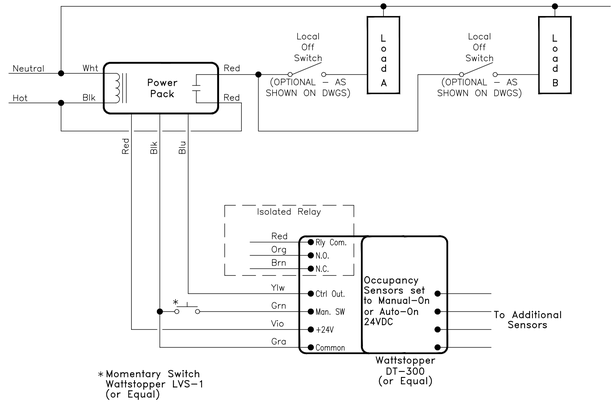
ITEM NO. (Ex)	QTY	ITEM DESCRIPTION	VOLTS	PH	AMPS	KW	HP	CONN.	NEMA	STUB (-AFF)	ELECTRICAL REMARKS
1	3	POS	120	1	5.0	0.6		DR	5-20R	VERIFY	MOUNT OUTLET IN BASE OF CABINET. E.C. TO VERIFY UTILITY REQUIREMENTS
2	1	DISPLAY CASE, REFRIGERATED BAKERY	120	1	10.5	1.26	1/2	DR	5-15R	16"	MOUNT OUTLET IN BASE OF CABINET. E.C. TO VERIFY UTILITY REQUIREMENTS
3	1	REFRIGERATED SELF-SERVICE UNDER COUNTER HEIGHT CASE	110-120	1	12.0	1.44		DR	5-15R	16"	
5	1	UNDERCOUNTER REFRIGERATOR	115	1	4.8	0.6	1/4	DR	5-15R	16"	
8	3	COFFEE GRINDER	120	1	20.0	1.9	3/4	DR	5-20R	X	BELOW COUNTERTOP. E.C. SHALL VERIFY WITH OWNER FINAL HEIGHT AND LOCATION PRIOR TO ROUGH IN.
9	1	COFFEE TEA BREWER	208	1	34.5	7.2		SP	14-50R	24"	STRAIGHT BLADE, 4 WIRE. E.C. SHALL VERIFY WITH OWNER FINAL HEIGHT AND LOCATION PRIOR TO ROUGH IN.
12	1	UNDERCOUNTER REFRIGERATOR	115	1	1.5	0.2	3/8	DR	5-15R	16"	E.C. SHALL VERIFY WITH OWNER FINAL HEIGHT AND LOCATION PRIOR TO ROUGH IN.
15	2	WATER DISPENSER W/BOILER	208	1	13.5	2.8		SP	L6-20R	24'	E.C. TO VERIFY UTILITY REQUIREMENTS PRIOR TO ROUGH-INS
17	1	ESPRESSO MACHINE	208	1	50.0	8.3		SP	6-50R	24'	E.C. SHALL VERIFY WITH OWNER FINAL HEIGHT AND LOCATION PRIOR TO ROUGH IN.
19	1	UNDERCOUNTER REFRIGERATOR	115	1	2.46	0.3	1/5	DR	5-15R	16"	E.C. SHALL VERIFY WITH OWNER FINAL HEIGHT AND LOCATION PRIOR TO ROUGH IN.
30	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	115	1	5.8	0.7	1/3	DR	5-15R	16"	
30A	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	115	1	4.5	0.5	1/4	DR	5-15R	16"	E.C. SHALL RUN POWER DOWN ELECTRICAL CHASE AND MAKE ALL FINAL CONNECTIONS AS REQUIRED
31	2	PANINI GRILL	208	1	12.0	2.5		SP	6-20R	24"	
34	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	115	1	2.46	0.3	1/5	DR	5-15R	16"	
35	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	115	1	6.1	0.7	1/3	DR	5-15R	16"	
36	1	MEGA TOP SANDWICH / SALAD PREPARATION REFRIGERATOR	115	1	6.1	0.7	1/3	DR	5-15R	16"	
38	2	MICROWAVE OVEN	120	1	13.4	1.6		DR	5-20R	16", 60"	E.C. SHALL RUN POWER DOWN ELECTRICAL CHASE AND MAKE ALL FINAL CONNECTIONS AS REQUIRED (FOR THE UNIT THAT IS ON THE OVERSHELF)
41	1	HOT FOOD WELL UNIT, DROP-IN, ELECTRIC	120	1	13.5	1.65		DR	5-20R	16"	E.C. SHALL RUN POWER DOWN ELECTRICAL CHASE AND MAKE ALL FINAL CONNECTIONS AS REQUIRED
46	1	EXHAUST HOOD	X	X	X			JBH		VERIFY	E.C. TO VERIFY UTILITY REQUIREMENTS WITH G.C./OWNER PRIOR TO ROUGH-INS
46A	1	EXHAUST FAN & DUCTWORK	X	X	X			JBH		VERIFY	E.C. TO VERIFY UTILITY REQUIREMENTS WITH G.C./OWNER PRIOR TO ROUGH-INS
46B	1	SUPPLY FAN & DUCTWORK	X	X	X			JBH		VERIFY	E.C. TO VERIFY UTILITY REQUIREMENTS WITH G.C./OWNER PRIOR TO ROUGH-INS
46D	1	FIRE SUPPRESSION SYSTEM	X	X	X			JBH		VERIFY	E.C. TO VERIFY UTILITY REQUIREMENTS WITH G.C./OWNER PRIOR TO ROUGH-INS
48	1	REFRIGERATED WORK TOP	115	1	2.46	0.3	1/5	DR	5-15R	16"	
53	1	HEATED LOW TEMP HOLDING CABINET	120	1	9.0	1.1		DR	5-15R	16"	
54	1	FOOD PAN WARMER, COUNTERTOP	120	1	5.8	0.7		DR	5-15R	48"	
64	1	REACH-IN REFRIGERATOR	115	1	6.9	0.8	1/3	DR	5-15R	60"	
68	1	ICE MAKER, CUBE-STYLE	208	1	10.0	2.1		JBH	20A/1P/NFSS(MS)	84"	E.C. TO VERIFY CONNECTION HEIGHT AND UTILITY REQUIREMENTS WITH G.C./TRIMARK PM PRIOR TO ROUGH-INS
81	1	DISHWASHER, POT/PAN/UTENSIL, DOOR TYPE (NIC-BY OWNER)	208	3	62.0	22.3	3/4	JBH	100A/3P/NFSS (NEMA-4X)	24"	E.C. TO VERIFY CONNECTION HEIGHT AND UTILITY REQUIREMENTS WITH OWNER PRIOR TO ROUGH-INS
83B	1	DISPOSER	208	3	6.6	2.4	2	JBH	30A/3P/NFSS (NEMA-4X)	16"	E.C. TO INTERWIRE TO CONTROL PANEL
97	1	BLAST CHILLER FREEZER, REACH-IN	120	1	5.2	0.6		JBH	20A/1P/NFSS(MS)	16"	E.C. TO VERIFY UTILITY REQUIREMENTS PRIOR TO ROUGH-INS. 20A CIRCUIT, #12 WIRE REQUIRED
99	1	BREAD OVEN	208	3	27.5	9.9		JBH	60A/3P/NFSS (NEMA-4X)	48"	E.C. TO VERIFY UTILITY REQUIREMENTS PRIOR TO ROUGH-INS
99A	1	EXHAUST HOOD FOR MIWE	X	X	X			JBH		DFA	E.C. TO VERIFY UTILITY REQUIREMENTS
99B	1	EXHAUST FAN & DUCTWORK	X	X	X			JBH		DFA	E.C. TO VERIFY UTILITY REQUIREMENTS
99C	1	SUPPLY FAN & DUCTWORK	X	X	X			JBH		DFA	E.C. TO VERIFY UTILITY REQUIREMENTS
99E	1	FIRE SUPPRESSION SYSTEM	X	X	X			JBH		DFA	E.C. TO VERIFY UTILITY REQUIREMENTS

LIGHT FIXTURE SCHEDULE

	MANUFACTURER	CATALOG #	LAMP TYPE	INPUT WATTS	VOLTS	MOUNTING	CONTACT	COMMENTS	RESPONSIBILITY			
									FURNISHED	INSTALLED	LAMPING	
A	JUNO	JUNO 6" LED REGRESSED DOWNLIGHT. WF6 REG SWW5 90CRI MW M6 2700K	(1) 20 WATT LED COMPARABLE	20W	120-277 V	NEW-RECESSED	BOSTON LIGHT SOURCE - LARA ROBERTSON - 678.877.0700	NEW RECESSED LIGHTING FIXTURE. INSTALLED BY G.C. COORDINATE ELECTRIC SERVICE WITH FIXTURE.	G.C.	G.C.	G.C. / E.C.	
B1	BLOOM LIGHTING	10" DIAMETER OPAL GLASS GLOBE PENDANT. STEM FINISH SATIN BRASS	(1)A19 E26 BASE 9W 120V 2700K L.E.D. LAMP	9W	120-277 V	SURFACE MOUNTED. CANOPY: 5" DIA. X 3/4" THICK	JARED MERRICK, DIRECTOR OF SALES 1-954-242-4911 1-866-989-7778 JARED@BLOOMLIGHTINGGROUP.COM	PURCHASED BY G.C. FURNISHED TO E.C.STANDARD MOUNTING HEIGHT 6'-8" AFF. VERIFY FINAL MOUNTING HEIGHT IN FIELD WITH OWNER. ELECTRICAL CONTRACTOR RESPONSIBLE FOR CUTTING AND TAPPING STEM LENGTHS.	G.C.	G.C. / E.C.	G.C. / E.C.	
B2	BLOOM LIGHTING	10" DIAMETER OPAL GLASS GLOBE PENDANT. STEM FINISH SATIN BRASS	(1)A19 E26 BASE 9W 120V 2700K L.E.D. LAMP	9W	120-277 V	SURFACE MOUNTED. CANOPY: 5" DIA. X 3/4" THICK	JARED MERRICK, DIRECTOR OF SALES 1-954-242-4911 1-866-989-7778 JARED@BLOOMLIGHTINGGROUP.COM	PURCHASED BY G.C. FURNISHED TO E.C.STANDARD MOUNTING HEIGHT 6'-8" AFF. VERIFY FINAL MOUNTING HEIGHT IN FIELD WITH OWNER. ELECTRICAL CONTRACTOR RESPONSIBLE FOR CUTTING AND TAPPING STEM LENGTHS.	G.C.	G.C. / E.C.	G.C. / E.C.	
C	BY OWNER	CUSTOM PENDANT	(1) 40 WATT LED COMPARABLE	40W	120-277 V	SURFACE MOUNTED		PROVIDED BY OWNER. INSTALLED BY G.C. COORDINATE ELECTRIC SERVICE WITH FIXTURE. G.C. TO VERIFY FINAL MOUNTING HEIGHT IN FIELD WITH OWNER.	OWNER	G.C.	G.C. / E.C.	
D	CYLINDERS	4" ROUND DIRECT PICO SERIES CO407XT-13L-27HK-WD-DS-10X-NL-AT36-MW	(1) 13 WATT LED COMPARABLE	13W	120-277 V	NEW STEM MOUNT		NEW STEM MOUNT LIGHTING FIXTURE. INSTALLED BY G.C. COORDINATE ELECTRIC SERVICE WITH FIXTURE. G.C. TO VERIFY FINAL MOUNTING HEIGHT IN FIELD WITH OWNER AND FIELD CUT MOUNT AS REQUIRED.	G.C.	G.C.	G.C. / E.C.	
F	BY OWNER	RESTORATON HARDWARE BISTRO GLOBE MILK GLASS DOUBLE SCONCE	(2) 40 WATT LED COMPARABLE	80W	120-277 V	SCONCE: 6'-8" AFF. VERIFY IN FIELD WITH OWNER		REFER TO ELEVATIONS FOR HEIGHTS. PROVIDED BY OWNER. INSTALLED BY G.C. LOWEST POINT OF FIXTURE PROTRUDING MORE THAN 4" TO BE MOUNTED NO LOWER THAN 6'-8" AFF FOR ADA COMPATIBILITY	G.C.	G.C.	G.C. / E.C.	
G	BY OWNER	CUSTOM PENDANT	(1) 40 WATT LED COMPARABLE	40W	120-277 V	SURFACE MOUNTED		PROVIDED BY OWNER. INSTALLED BY G.C. COORDINATE ELECTRIC SERVICE WITH FIXTURE. G.C. TO VERIFY FINAL MOUNTING HEIGHT IN FIELD WITH OWNER.	OWNER	G.C.	G.C. / E.C.	
H	BY OWNER	CUSTOM LIGHT- BRASS AGED BY MANUF.	(28) 2700K (LED) 20 WATT LED COMPARABLE	560W	120-277 V	28 GLOBE FIXTURES TOTAL. COORDINATE WIRING AND FINAL STEM LOCAITON WITH VENDOR PRIOR TO PLYWOOD BLOCKING INSTALLATION		CUSTOM FIXTURE BY OWNER. G.C. TO COORDINATE BLOCKING REQUIREMENTS WITH MANUFACTURER.	OWNER	G.C.	G.C. / E.C.	
J	BY OWNER	CUSTOM PENDANT	(1) 40 WATT LED COMPARABLE	40W	120-277 V	PENDANT 6'-2" AFF		PROVIDED BY OWNER. INSTALLED G.C. VERIFY FINAL MOUNTING HEIGHT IN FIELD WITH OWNER.	OWNER	G.C.	G.C. / E.C.	
K	LITHONIA	EPANL 2X2 3400 80 35K MIN1 EZT MVOLT	LED	34W	120-277 V	LED FLAT PANEL	BOSTON LIGHT SOURCE - LARA ROBERTSON - 678.877.0700	G.C TO COORDINATE EMERGENCY CIRCUITING WITH ENGINEERING DRAWINGS. G.C. TO PROVIDE SPEC FOR K FIXTURE INCLUDING EL14W EMERGENCY WIRING.	G.C.	G.C.	G.C. / E.C.	(1)
N	SCHOOLHOUSE ELECTRIC & SUPPLY CO	NEWBURY 4", TRUE BLACK (TB) WITH FROSTED DRUM SHADE | 107289/104190	100 WATT	100W	120-277 V	SURFACE MOUNT		PROVIDE FROSTED DRUM SHADE. PROVIDED BY AND INSTALLED BY G.C.	G.C.	G.C.	G.C. / E.C.	
P	PLACER	PLACER A P1 90CRI 30K 12 55DEG FLC WMC S-18 C1 DBL	LED	11W	LOW VOLTAGE	WALL MOUNT	BOSTON LIGHT SOURCE - LARA ROBERTSON - 678.877.0700	PROVIDED AND INSTALLED BY G.C. REFER TO SIGNAGE DETAILS FMI.	G.C.	G.C.	G.C. / E.C.	
S	SPECTRUM LIGHTING	ESTIMATOR RT6LES-2000-30K-DX-MB-MF	(1) 20 WATT LED COMPARABLE	20W	120-277 V	NEW-EXTERIOR RECESSED	BOSTON LIGHT SOURCE - LARA ROBERTSON - 678.877.0700	NEW RECESSED LIGHTING FIXTURE. INSTALLED BY G.C. COORDINATE ELECTRIC SERVICE WITH FIXTURE.	G.C.	G.C.	G.C. / E.C.	(1)
⊗	THE EXIT LIGHT CO.	LEDRBB-JR		3W	120V			EXIT LIGHT WITH BATTERY - REMOTE HEAD CAPABLE	G.C.	G.C.	G.C. / E.C.	
⋎	LITHONIA LIGHTING	ELM6L		10W	120V			TWIN HEAD PACK - REMOTE HEAD CAPABLE	G.C.	G.C.	G.C. / E.C.	(1)

CEILING FAN SCHEDULE

	MANUFACTURER	CATALOG #	LAMP TYPE	VOLTS	INPUT WATTS	MOUNTING	CONTACT	COMMENTS	RESPONSIBILITY	
									FURNISHED	INSTALLED
M	LAMPS PLUS	U4514 - 60" CASA VIEJA TURBINA 8482	NO LAMP, 73 WATT	120-277 V	73	PENDANT 10' AFF		GC TO PROVIDE LONGEST NON-THREADED DOWNROD POSSIBLE. IF MULTIPLE REQUIRED, USE 73461 COUPLING (MUST BE ORDERED SEPARATELY). FINISH TO BE OIL-RUBBED BRONZE. FURNISHED AND INSTALLED BY G.C. G.C. RESPONSIBLE TO DETERMINE STEM LENGTH WITH ARCHITECT AND CLIENT.	G.C.	G.C.



OCCUPANCY SENSOR - MANUAL-ON STANDARD SCHEMATIC

NO SCALE

NOTES :

1. PROVIDE MANUFACTURER'S INTEGRAL 90-MINUTE BATTERY BACK-UP UNIT WHERE INDICATED ON PLANS.

NORTH ARROWS:

PLAN NORTH

TRUE NORTH

ISSUE	DESCRIPTION	DATE
.	ISSUE FOR PERMIT	2022-10-12

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PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

ELECTRICAL SCHEDULES & DETAILS

STAMP:

COMMONWEALTH OF MASSACHUSETTS
ADAM R. KOPEL
No. 51186
REGISTERED PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS, LICENSE No: 51186
EXPIRATION DATE: 06/30/24

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

PROJECT No. : 0721-18

E007

COMcheck Software Version 4.1.5.4

Interior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Tatte Bakery
Project Type: Alteration

Construction Site: 645 Massachusetts Avenue Arlington, MA 02476
Owner/Agent:
Designer/Contractor:

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-Kitchen 1 (Basement) (Common Space Types:Food Preparation)	1620	1.06	1717
2-Office 2 (Basement) (Common Space Types:Office - Enclosed)	135	0.93	126
3-Stairwell 3 (Basement) (Common Space Types:Stairwell)	175	0.58	102
4-Unisex Employee Restroom 4 (Basement) (Common Space Types:Restrooms)	50	0.85	42
5-Cafe Dining 101, Main Counter 102 & Barista 103 (1st Floor) (Common Space Types:Dining Area - Bar Lounge/Leisure)	2290	0.93	2130
6-Stairwell 104 (1st Floor) (Common Space Types:Stairwell)	85	0.58	49
7-Men's Restroom 105 & Womens Restroom 106 (1st Floor) (Common Space Types:Restrooms)	160	0.85	136
8-Kitchen 107 (1st Floor) (Common Space Types:Food Preparation)	670	1.06	710
		Total Allowed Watts =	5012

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Kitchen 1 (Basement) (Common Space Types:Food Preparation 1620 sq.ft.)				
LED 1: K: 2' x 2': Other:	1	29	34	986
Office 2 (Basement) (Common Space Types:Office - Enclosed 135 sq.ft.)				
LED 2: K: 2' x 2': Other:	1	4	34	136
Stairwell 3 (Basement) (Common Space Types:Stairwell 175 sq.ft.)				
LED 3: K: 2' x 2': Other:	1	6	34	204
Unisex Employee Restroom 4 (Basement) (Common Space Types:Restrooms 50 sq.ft.)				
LED 4: K: 2' x 2': Other:	1	1	34	34
Cafe Dining 101, Main Counter 102 & Barista 103 (1st Floor) (Common Space Types:Dining Area - Bar Lounge/Leisure 2290 sq.				
LED 5: D: Cylindor: Other:	1	21	13	273
LED 6: B1: Globe Pendant: Other:	1	9	9	81
LED 7: B2: Globe Pendant: Other:	1	9	9	81
LED 8: C: Custom Pendant: Other:	1	2	40	80
LED 9: G: Custom Pendant: Other::	1	2	40	80
LED 10: F: Wall Sconce: Other:	2	4	80	320
LED 11: H: Custom Light (Barista): Other:	1	1	560	560
LED 12: A: Downlight: Other:	1	5	20	100
LED 13: J: Custom Pendant: Other:	1	5	40	200
Stairwell 104 (1st Floor) (Common Space Types:Stairwell 85 sq.ft.)				
LED 14: K: 2' x 2': Other:	1	3	34	102
Men's Restroom 105 & Womens Restroom 106 (1st Floor) (Common Space Types:Restrooms 160 sq.ft.)				
Incandescent 1: N: 4" Surface Mount: Incandescent 100W:	1	2	100	200
LED 15: A: Downlight: Other:	1	2	20	40
Kitchen 107 (1st Floor) (Common Space Types:Food Preparation 670 sq.ft.)				
LED 16: K: 2' x 2': Other:	1	14	34	476
LED 17: A: Downlight: Other:	1	8	20	160
			Total Proposed Watts =	4113

Interior Lighting PASSES

Interior Lighting Compliance Statement

Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck Version 4.1.5.4 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title | Signature | Date

COMcheck Software Version 4.1.5.4

Exterior Lighting Compliance Certificate

Project Information

Energy Code: 2018 IECC
Project Title: Tatte Bakery
Project Type: Alteration
Exterior Lighting Zone: 4 (High activity metropolitan commercial district (LZ4))

Construction Site: 645 Massachusetts Avenue Arlington, MA 02476
Owner/Agent:
Designer/Contractor:

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Entry Canopy (Entry canopy)	620 ft2	0.4	Yes	248
			Total Tradable Watts (a) =	248
			Total Allowed Watts =	248
			Total Allowed Supplemental Watts (b) =	900

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 900 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Entry Canopy (Entry canopy 620 ft2): Tradable Wattage				
LED 1: S: Recessed Exterior Fixture: Other:	1	20	20	400
			Total Tradable Proposed Watts =	400

Exterior Lighting PASSES

Exterior Lighting Compliance Statement

Compliance Statement: The proposed exterior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in *COMcheck* Version 4.1.5.4 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Name - Title | Signature | Date

COMcheck Software Version 4.1.5.4

Inspection Checklist

Energy Code: 2018 IECC

Requirements: 100.0% were addressed directly in the COMcheck software
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & ReqID	Plan Review	Complies?	Comments/Assumptions
C103.2 (PR4)[1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E000, E001, E003, E006, E007 & E008
C103.2 (PR8)[1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E000, E003, E006, E007 & E008

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & ReqID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.2.2 [EL22][1]	Spaces required to have light-reduction controls have a manual control that allows the occupant to reduce the connected lighting load in a reasonably uniform illumination pattern >= 50 percent.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Daylight spaces that comply with this code. **Location on plans/spec:** E003
C405.2.1, C405.2.1.1 [EL19][1]	Occupancy sensors installed in classrooms/lecture/training rooms, conference/meeting/multipurpose rooms, copy/print rooms, lounges/breakrooms, enclosed offices, open plan office areas, restrooms, storage rooms, locker rooms, warehouse storage areas, and other spaces <= 300 sqft that are enclosed by floor-to-ceiling height partitions. Reference section language C405.2.1.2 for control function in warehouses and section C405.2.1.3 for open plan office spaces.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E001 & E003
C405.2.1.2 [EL19][1]	Occupancy sensors control function in warehouses: In warehouses, the lighting in aisleways and open areas is controlled with occupant sensors that automatically reduce lighting power by 50% or more when the areas are unoccupied. The occupant sensors control lighting in each aisleway independently and do not control lighting beyond the aisleway being controlled by the sensor.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.1.3 [EL20][1]	Occupant sensor control function in open plan office areas: Occupant sensor controls in open office spaces >= 300 sq.ft. have controls 1) configured so that general lighting can be controlled separately in control zones with floor areas <= 600 sq.ft. within the space, 2) automatically turn off general lighting in all control zones within 20 minutes after all occupants have left the space, 3) are configured so that general lighting power in each control zone is reduced by >= 80% of the full zone general lighting power within 20 minutes of all occupants leaving that control zone, and 4) are configured such that any daylight responsive control will activate space general lighting or control zone general lighting only when occupancy for the same area is detected.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.2.2.1, C405.2.2.2 [EL21][1]	Each area not served by occupancy sensors (per C405.2.1) have time-switch controls and functions detailed in sections C405.2.2.1 and C405.2.2.2.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E001 & E003

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & ReqID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.3, C405.2.3.1, C405.2.3.2 [EL23][1]	Daylight zones provided with individual controls that control the lights independent of general area lighting. See code section C405.2.3 Daylight-responsive controls for applicable spaces. C405.2.3.1 Daylight responsive control function and section C405.2.3.2 Sidelit zone.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Sidelit zones on first floor in Group A-2 and M occupancies. **Location on plans/spec:** E003
C405.2.4 [EL26][1]	Separate lighting control devices for specific uses installed per approved lighting plans.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E001 & E003
C405.2.4 [EL27][1]	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E001 & E003
C405.2.5 [EL28][1][c]	Manual controls required by the energy code are in a location with ready access to occupants and located where the controlled lights are visible, or identify the area served and their status.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E003
C405.2.6 [EL30][1][d]	Automatic lighting controls for exterior lighting installed. Controls will be daylight controlled, set based on business operation time-of-day, or reduce connected lighting > 30%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E003
C405.3 [EL6][1]	Exit signs do not exceed 5 watts per face.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E007
C405.6 [EL26][2]	Low-voltage dry-type distribution electric transformers meet the minimum efficiency requirements of Table C405.6.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.7 [EL27][1]	Electric motors meet the minimum efficiency requirements of Tables C405.7(1) through C405.7(4). Efficiency verified through certification under an approved certification program or the equipment efficiency ratings shall be provided by motor manufacturer (where certification programs do not exist).	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.8.2, C405.8.2.1 [EL28][1]	Escalators and moving walks comply with ASME A17.1/CSA B44 and have automatic controls configured to reduce speed to the minimum permitted speed in accordance with ASME A17.1/CSA B44 or applicable local code when not conveying passengers.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
C405.9 [EL29][1]	Total voltage drop across the combination of feeders and branch circuits <= 5%.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E002 & E004

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

Section # & ReqID	Final Inspection	Complies?	Comments/Assumptions
C303.3, C408.2.5.2 [FI17][1]	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C405.4.1 [FI18][1]	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Interior Lighting fixture schedule for values.*
C405.5.1 [FI19][1]	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	*See the Exterior Lighting fixture schedule for values.*
C408.1.1 [FI57][1]	Building operations and maintenance documents will be provided to the owner. Documents will cover manufacturers' information, specifications, programming procedures and means of illustrating to owner how building, equipment and systems are intended to be installed, maintained, and operated.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.2.5.1 [FI16][1]	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met.
C408.3 [FI33][1]	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	☐Complies ☐Does Not ☐Not Observable ☐Not Applicable	Requirement will be met. **Location on plans/spec:** E001 & E003

Additional Comments/Assumptions:

1 High Impact (Tier 1) 2 Medium Impact (Tier 2) 3 Low Impact (Tier 3)

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
LICENSE No: 51186
EXPIRATION DATE: 06/30/24

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

PROJECT No. : 0721-18

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

McMahon architects
535 ALBANY STREET
BOSTON, MA 02118
T 617.482.5353
www.mcmahonarchitects.com

JOB TITLE & ADDRESS:

TATTE BAKERY
645 MASSACHUSETTS AVE.,
ARLINGTON, MA 02476

PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

LIGHTING COMPLIANCE CERTIFICATE

STAMP:

COMMONWEALTH OF MASSACHUSETTS ADAM R. KOCH Registered No. 51186 REGISTERED PROFESSIONAL ENGINEER

E008

PLUMBING SPECIFICATIONS

GENERAL: THE CONTRACTOR SHALL PROVIDE ALL ITEMS, MATERIALS, OPERATIONS OR METHODS LISTED, MENTIONED OR SCHEDULED ON THE DRAWINGS AND/OR SPECIFIED HEREIN, INCLUDING ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY AND REQUIRED FOR THEIR COMPLETION. THE COMPLETE INSTALLATION AS A WHOLE SHALL BE LEFT READY FOR SATISFACTORY OPERATION.

THE CONTRACTOR SHALL LAYOUT HIS OWN WORK AND SHALL ASSUME RESPONSIBILITY FOR ALL LINES, ELEVATIONS, INVERTS AND MEASUREMENTS OF WORK EXECUTED BY HIM. CONTRACTOR SHALL EXERCISE EVERY PRECAUTION TO VERIFY FIGURES SHOWN ON THE DRAWINGS BEFORE LAYING OUT WORK AND SHALL BE RESPONSIBLE FOR ANY ERROR RESULTING FROM FAILURE TO EXERCISE SUCH PRECAUTIONS.

ELECTRICAL FOR PLUMBING WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE ELECTRICAL DRAWINGS.

PAINTING OF PLUMBING EQUIPMENT AND MATERIALS SHALL COMPLY WITH THE REQUIREMENTS OF THE PAINTING SECTIONS OF THE ARCHITECTURAL SPECIFICATIONS. ALL ROOF MOUNTED EQUIPMENT SHALL BE LABELED WITH A STENCIL DESIGNATING THE TENANT SPACE NUMBER AND NAME.

SHOP DRAWINGS: SHALL BE SUBMITTED ON ALL PLUMBING & FIRE PROTECTION EQUIPMENT ITEMS LISTED BUT NOT LIMITED TO:

PIPING, DRAINS, VALVES, PLUMBING FIXTURES, WATER HEATERS & PUMP, GREASE INTERCEPTOR, SPRINKLER HEADS PIPING, EQUIPMENT AND HYDRAULICS, BACKFLOW PREVENTERS

OPERATION AND MAINTENANCE INSTRUCTIONS: SHALL BE PROVIDED IN TWO (2) BOUND COPIES FOR THE FOLLOWING EQUIPMENT:

BACKFLOW PREVENTERS, WATER HEATERS, SPRINKLER SHOP DWGS., GREASE INTERCEPTOR, PLUMBING FIXTURES, & EQUIPMENT

WARRANTY FOR ALL EQUIPMENT FURNISHED UNDER THESE SPECIFICATIONS SHALL BE ONE (1) YEAR FROM DATE OF OCCUPANCY, UNLESS A LONGER PERIOD IS SPECIFIED HEREINAFTER OR LONGER PERIOD IS STANDARD WITH MANUFACTURER.

PIPES AND FITTINGS:

PIPING SHALL BE STORED AND INSTALLED IN SUCH A MANNER THAT DIRT AND RAINWATER CANNOT ENTER THE PIPING. WHERE PIPING IS INDICATED TO BE REMOVED, PATCH OPENINGS IN FLOORS AND WALLS TO MATCH ADJACENT STRUCTURE(S) AND SURFACE(S) TO PROVIDE A STRUCTURALLY SOUND FLUSH SURFACE. FLUSH WASTE AND DOMESTIC WATER PIPING BEFORE TESTING. DISINFECT DOMESTIC WATER PIPE IN ACCORDANCE WITH AWWA C601 OR LOCAL CODES, WHICHEVER IS MORE STRINGENT. CONTRACTOR IS TO CONFIRM ALL EXISTING PIPE SIZES INDICATED ON DRAWINGS. REMOVE ALL ABANDONED PIPING.

NATURAL GAS SHALL BE BLACK STEEL, SCHEDULE 40 WITH MALLEABLE THREADED FITTINGS FOR 2 INCH AND SMALLER PIPE AND WELDED FITTINGS FOR 2-1/2 INCH OR LARGER PIPE.

UNDERGROUND SANITARY WASTE AND VENT SHALL BE CAST IRON WITH PUSH-ON JOINTS. SCHEDULE 40 DWV PVC WITH SOLVENT JOINTS MAY BE SUBMITTED FOR OWNER APPROVAL AS A DEDUCTIVE ALTERNATE.
(DRAINS AND ASSOCIATED PIPING RECEIVING INDIRECT DRAINAGE FROM A PASTA COOKER, STEAMER, TILTING KETTLE, DISHWASHER, GLASS WASHER AND / OR SIMILAR EQUIPMENT SHALL BE CAST IRON).

ABOVE GROUND WASTE AND VENT SHALL BE CAST-IRON HUBLESS WITH NEOPRENE GASKETS AND STAINLESS STEEL CLAMP AND SHIELD ASSEMBLIES.
SCHEDULE 40 DWV PVC WITH SOLVENT JOINTS MAY BE SUBMITTED FOR OWNER APPROVAL AS A DEDUCTIVE ALTERNATE. (PVC NOT TO BE USED IN RETURN AIR PLENUM)
(DRAINS AND ASSOCIATED PIPING RECEIVING INDIRECT DRAINAGE FROM A PASTA COOKER, STEAMER, TILTING KETTLE, DISHWASHER, GLASS WASHER AND / OR SIMILAR EQUIPMENT SHALL BE CAST IRON).

ABOVE GROUND DOMESTIC WATER SHALL BE COPPER TUBE, HARD-DRAWN TEMPER, TYPE L, WROUGHT COPPER FITTINGS, TIN-ANTIMONY SOLDER.

BELOW GRADE DOMESTIC WATER SHALL BE TYPE "K" COPPER TUBING SOFT/ANNEALED.

CONDENSATE DRAINS – COPPER TUBE, HARD-DRAWN TEMPER.

PIPE INSULATION ALL DOMESTIC HOT, COLD & CIRCULATION WATER PIPING SHALL BE INSULATED AND COMPLY WITH ASHRAE 90.1 – TABLE 6.8.3A

PIPE HEAT TRACE PROVIDE HEAT TRACE AND INSULATION ON COLD WATER, HOT WATER AND CIRCULATING HOT WATER PIPING, AND SANITARY WASTE TRAPS LOCATED IN UNHEATED AREAS. HEAT TRACE SHALL BE RAYCHEM XL. PROVIDE AT FIVE WATTS PER LINEAR FOOT OF PIPING.

ESCUTCHEONS SHALL BE PROVIDED WHERE PIPING ENTERS WALLS OR PARTITIONS IN EXPOSED AREAS. THEY ARE TO BE CHROME PLATED.

PIPE SUPPORTS SHALL BE SELECTED AND INSTALLED IN ACCORDANCE WITH THE MSS SP-69 OR LOCAL CODES, WHICHEVER IS MORE STRINGENT. UTILIZE TRAPEZE HANGERS FOR PARALLEL RUNS OR PIPING, OTHER THAN SPRINKLER AND WASTE PIPING. COPPER PIPING SYSTEMS SHALL BE SUPPORTED ON COPPER OR COPPER-PLATED SUPPORTS. HANG PIPE FROM SUBSTANTIAL BUILDING STRUCTURE. PIPING SHALL NOT BE HUNG FROM OTHER PIPING. ALL RIGID HANGERS SHALL PROVIDE A MEANS OF VERTICAL ADJUSTMENT AFTER ERECTION. SHIELD SHALL BE PROVIDED BETWEEN HANGERS AND INSULATION.

SUPPORT OF EQUIPMENT, INCLUDING PLUMBING FIXTURES, FROM PARTITIONS SHALL REQUIRE THAT THE PARTITIONS BE REINFORCED BY PROVIDING BACK-TO-BACK STUDS OR A WOOD STUD WITHIN THE METAL STUD AT EACH SUPPORT POINT. THE REINFORCEMENT SHALL EXTEND FROM THE FLOOR TO THE TOP OF THE PARTITION.

VALVES:

DOMESTIC WATER – SOLDER END, CLASS 125, BRONZE BODY, FULL PORT BRASS BALL 1/4 TURN BALL VALVE. ALL VALVES SHALL REMAIN ACCESSIBLE.

NATURAL GAS – ALL SPECIALTIES IN NATURAL GAS PIPING, VALVES, UNIONS, ETC., SHALL BE UL LISTED/FM APPROVED. VALVES SHALL BE 150 PSI NON-SHOCK WOG, BRONZE STRAIGHTWAY, ONE-QUARTER TURN, SQUARE HEAD COCKS WITH THE POSITION OF THE GATE INDICATED ON THE HEAD. VALVES SHALL BE INSTALLED UP-STREAM OF UNIONS ON ALL EQUIPMENT. VALVES, UNIONS, PLUGGED TEES, OR CAPPED PIPES SHALL NOT BE INSTALLED IN CONCEALED PLACES UNLESS THE PIPE AND EQUIPMENT IS PROPERLY IDENTIFIED AS GAS PIPE.

PLUMBING TESTS: THE FOLLOWING PLUMBING SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH THE PLUMBING AND FUEL GAS CODES AND LOCAL JURISDICTION REQUIREMENTS:

DRAINAGE AND VENT BUILDING SEWER
DOMESTIC WATER SUPPLY SYSTEM BACKFLOW PREVENTION ASSEMBLIES
NATURAL GAS SYSTEM

REPORTS OF EACH TEST SHALL BE PROVIDED, INCLUDE THE NAMES OF THE PERSONS PERFORMING THE TEST AND WITNESSING THE TEST, DESCRIBING THE METHOD OF TEST, THE EXTENT OF EACH TEST (IF ACCOMPLISHED IN SECTIONS OF THE SYSTEM), PRESSURES UNDER WHICH THE SYSTEM WAS TESTED, ANY FAILURE IN A TEST, AND THE SUCCESSFUL COMPLETION OF THE TEST.
TEST RESULTS SHALL BE LOGGED-IN WITH COPIES KEPT ON THE JOB SITE AND TURNED OVER TO THE OWNER UPON ACCEPTANCE.

IDENTIFICATION SHALL BE PROVIDED FOR ALL PIPING AND EQUIPMENT. USE STENCILS OR PRESSURE SENSITIVE LABELS TO CLEARLY IDENTIFY MATERIALS WITHIN PIPE AND DIRECTION OF FLOW. PRESSURE SENSITIVE LABELS SHALL ALSO BE FASTENED TO PIPES WITH TAPE AROUND THE PIPE. USE STENCILS TO LABEL EQUIPMENT WITH THE NAME OF THE EQUIPMENT INDICATED ON THE PLANS. LETTER SIZE, COLOR, AND LOCATION SHALL BE SUCH THAT MARKER IS CLEARLY VISIBLE FROM THE FLOOR.

OWNER FURNISHED EQUIPMENT SHALL BE INSTALLED BY OTHERS AND CONNECTED TO PIPING SYSTEMS BY THIS CONTRACTOR FOLLOWING THE RECOMMENDATIONS OF THE EQUIPMENT MANUFACTURER AND LOCAL CODES.

TRAP PRIMER: REFER TO RISER DIAGRAM FOR LOCATION / TYPE.

BACKFLOW PREVENTERS: REFER TO RISER DIAGRAM FOR LOCATION / TYPE.

FLOOR DRAINS: REFER TO DRAWING DETAILS FOR SPECIFICATION.

FLOOR SINK: REFER TO DRAWING DETAILS FOR SPECIFICATION.

FUNNEL FLOOR DRAINS: REFER TO DRAWING DETAILS FOR SPECIFICATION.

WATER HEATER: REFER TO DRAWING DETAILS FOR SPECIFICATION.

PLUMBING FIXTURES: TOILET FACILITIES FIXTURES SPECIFIED UNDER ARCHITECTURAL DRAWINGS.

GREASE INTERCEPTOR: REFER TO DRAWING CALCULATIONS FOR SPECIFICATION.

THERMOSTATIC MIXING VALVES: REFER TO RISER DIAGRAM FOR LOCATION / TYPE.

CLEANOUTS FOR SANITARY WASTES:

FLOOR – CAST-IRON BODY AND FRAME. CLEANOUT PLUG, NICKEL-BRONZE TOP OF EXPOSED FLUSH TYPE PATTERN AND STANDARD NON-SLIP SCORED OR ABRASIVE FINISH.

WALL – CAST-IRON BODY ADAPTABLE TO PIPE WITH CAST-BRONZE OR BRASS CLEANOUT PLUG. STAINLESS STEEL COVER INCLUDING SCREWS.

SPRINKLER/ FIRE PROTECTION NOTES:

A. CONTRACTOR SHALL MODIFY UPON EXISTING FIRE PROTECTION SYSTEMS AS PER NFPA 13 AND ALL STATE/ LOCAL CODES. SUBMIT DETAILED DRAWINGS AND CALCULATIONS TO FIRE MARSHAL FOR APPROVAL AND FIRE MARSHAL APPROVED DRAWINGS TO ENGINEER. PRIOR TO START OF ANY WORK, SUBMIT SHOP DRAWINGS FOR ALL EQUIPMENT AND MATERIAL TO THE ENGINEERS FOR APPROVAL. COORDINATE SPRINKLER HEAD LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLAN AND SUBMIT FOR APPROVAL BY ARCHITECT AND ENGINEER.

B. WORK INCLUDED: COMPLETE AUTOMATIC SPRINKLER SYSTEMS INCLUDING BUT NOT LIMITED TO THE FOLLOWING AS REQUIRED:

1. INTERIOR SYSTEMS INCLUDING PIPING, PIPING ACCESSORIES, FITTINGS, SPRINKLERS, HANGERS, SUPPORTS, SLEEVES, AND VALVES.
2. ANY INCIDENTAL OR REQUIRED DEMOLITION ASSOCIATED WITH RENOVATED AND/OR NEW CONSTRUCTION.
3. CUTTING AND PATCHING IN CONNECTION WITH THE WORK.
4. TESTING, CLEANING, ADJUSTING AND PLACING IN OPERATION ALL SYSTEMS AND EQUIPMENT SPECIFIED.
5. ALL FIRE PROTECTION WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID ANY INTERFERENCE.
6. ALL PIPING AND SPRINKLER HEADS SHALL MATCH EXISTING BASE BUILDING STANDARDS.
7. SPRINKLER HEAD LAYOUTS SHALL BE SYMMETRICAL. SPRINKLER HEADS LOCATED IN LAY-IN CEILING SHALL BE LOCATED AT THE CENTER OF THE CEILING TILE INSTALLED.
8. CONTRACTOR SHALL OFFSET NEW OR EXISTING BRANCH SPRINKLER PIPES AS REQUIRED TO ACHIEVE MAXIMUM HEADROOM. NO PIPING SHALL BE ROUTED UNDER VAV OF FAN POWERED TERMINAL DEVICES. CONTRACTOR SHALL COORDINATE THE SPRINKLER LAYOUT DRAWINGS WITH THE WORK OF OTHER MEP TRADES TO ENSURE THEIR PIPING IS INSTALLED IN SUCH A MANNER WERE THE SERVICE OF FUTURE PIPING TAPS OR EQUIPMENT IS NOT BLOCKED. CONFLICTS SHALL BE ADDRESSED AND CORRECTED PRIOR TO INSTALLATION.

PLUMBING GENERAL NOTES:

1. THE PLUMBING CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, TOOLS AND ACCESSORIES REQUIRED FOR PROVIDING, INSTALLING, CONNECTING AND TESTING ALL PLUMBING SYSTEMS AND ASSOCIATED EQUIPMENT FOR A COMPLETED PROJECT READY FOR OCCUPANCY. WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL JURISDICTIONAL CODES, RULES, REGULATIONS AND ORDINANCES.
2. NO WORK SHALL BE EXECUTED FROM DIMENSIONS OBTAINED BY SCALING OF DRAWINGS. THE DRAWINGS ARE DIAGRAMMATIC ONLY. REFER TO THE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS OF THE BUILDING AND EXACT LOCATIONS OF PLUMBING FIXTURES AND EQUIPMENT. THE CONTRACTOR SHALL VISIT THE SITE AND CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS TO DETERMINE THE COMPLETE SCOPE OF WORK AND BE INFORMED OF EXISTING CONDITIONS PRIOR TO START OF WORK. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES TO AVOID CONFLICTS PRIOR TO INSTALLATION OF ANY WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER WHERE DISCREPANCIES OCCUR, SO ITEMS MAY BE RESOLVED.
3. CONTRACTOR SHALL LOCATE ALL EQUIPMENT WHICH MUST BE SERVICED AND OPERATED IN FULLY ACCESSIBLE POSITIONS. EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO VALVES, DAMPERS, CLEANOUTS, MOTORS, CONTROLLERS, DRAIN POINTS, ETC. THE CONTRACTOR SHALL PROVIDE ACCESS PANELS WHERE REQUIRED FOR ACCESS TO VALVES, MIXING VALVES, CLEANOUTS, ETC. ACCESS PANELS SHALL BE INSTALLED BY THE APPROPRIATE SUBCONTRACTOR. REFER TO ARCHITECTURAL SPECIFICATIONS FOR SPECIFIC ACCESS PANEL TYPES.
4. ALL WASTE PIPE SLOPES AND INVERT ELEVATIONS SHALL BE CHECKED PRIOR TO ANY PIPING BEING INSTALLED IN ORDER THAT THE PROPER SLOPES WILL BE MAINTAINED. MAKE PROPER WASTE, VENT, GAS, HOT AND COLD WATER CONNECTIONS TO ALL FIXTURES AND EQUIPMENT, EVEN THOUGH ALL BRANCH MAINS, ELBOWS AND CONNECTIONS ARE NOT SHOWN. ALL WATER PIPING SHALL BE INSULATED AND SHALL BE INSTALLED ON THE INSIDE OF THE BUILDING INSULATION ENVELOPE. ALL PLUMBING WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER AND PER CURRENT SUGGESTED TRADE PRACTICES. TESTING AND FLUSHING OF PIPING SYSTEMS SHALL CONFORM TO JURISDICTIONAL REQUIREMENTS.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE LANDLORD'S MEMBRANE ON THE FLOOR. ALL DISRUPTIONS TO LANDLORD'S WATERPROOF MEMBRANE MUST BE INSPECTED BY THE LANDLORD BEFORE THE FLOORING IS INSTALLED OR AREA OF DISRUPTION IS OTHERWISE CONCEALED.

DEMOLITION NOTES

A. SPECIFIC DEMOLITION NOTES ARE NOT TO BE CONSIDERED ALL INCLUSIVE OR COMPLETE IN THEMSELVES. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL DEMOLITION INCIDENTAL TO OR REQUIRED FOR NEW AND RENOVATED CONSTRUCTION WHETHER OR NOT SPECIFICALLY NOTED AND INCLUDING BUT NOT LIMITED TO THE FOLLOWING: REMOVAL OF PLUMBING EQUIPMENT, FIXTURES, TRIM, SUPPLIES, TRAPS, CLEANOUTS, DRAINS, VALVES, RELATED PIPING, ETC. THAT MIGHT REASONABLY BE REQUIRED TO BE REMOVED IN PREPARATION FOR INSTALLATION OF NEW CONSTRUCTION, SPECIFIED FIXTURES OR OTHER EQUIPMENT REQUIRING PLUMBING.

B. DEMOLITION SHALL BE PERFORMED IN SUCH A MANNER THAT WILL NOT DAMAGE ADJOINING SURFACES OR EQUIPMENT INDICATED TO REMAIN.

C. WHERE DEMOLITION WOULD AFFECT THE STRUCTURAL INTEGRITY OF THE BUILDING, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH DEMOLITION.

D. THE PLUMBING CONTRACTOR SHALL REMOVE THE EXISTING FIXTURES. CAP AND CONCEAL ALL SANITARY, VENT, AND WATER PIPING BELOW FLOOR, ABOVE CEILING AND/OR IN WALLS AS REQUIRED. REMOVE ALL PIPING NOT REQUIRED FOR RENOVATION AND CAP AT NEAREST VALVE OR MAIN LINE. REMOVED FIXTURES AND TRIM SHALL REMAIN THE PROPERTY OF THE OWNER AND THE CONTRACTOR SHALL STORE ON SITE OR REMOVE FROM SITE SAID FIXTURES AS DIRECTED BY THE OWNER.

E. THIS CONTRACTOR SHALL NOTIFY AND COORDINATE WITH THE BUILDING MANAGEMENT IN WRITING 10 DAYS IN ADVANCE OF ANY AND ALL UTILITY SERVICE INTERRUPTIONS.

F. TEMPORARY SYSTEMS: THE EXISTING SYSTEMS OPERATION SHALL BE MAINTAINED, IF REQUIRED BY OWNER, IN RENOVATED AND ADJACENT AREAS UNTIL THE NEW SYSTEMS ARE OPERATIONAL. THIS CONTRACTOR SHALL INCLUDE IN HIS BID ALL COSTS ASSOCIATED WITH KEEPING THE EXISTING SYSTEMS ON LINE.

KITCHEN AND FOOD SERVICE EQUIPMENT GENERAL NOTES:

CONTRACTOR SHALL CONNECT ALL KITCHEN AND FOOD SERVICE EQUIPMENT COMPLETE, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING:

1. ALLOW FOR, FURNISH AND INSTALL ALL REQUIRED TRAPS.
2. STOPS SHALL BE FURNISHED AND INSTALLED ON ALL HOT AND COLD WATER LINES AT EQUIPMENT IN AN ACCESSIBLE POSITION.
3. FOOD SERVICE EQUIPMENT CONTRACTOR SHALL FURNISH EQUIPMENT COMPLETE WITH FAUCETS AND SIMILAR FITTINGS. PLUMBING CONTRACTOR SHALL FURNISH TRAPS, SHOCK ABSORBERS AND SHUTOFF VALVES AND MAKE FINAL CONNECTIONS.
4. GENERAL WATER PRESSURE SERVING FOOD SERVICE EQUIPMENT SHALL NOT EXCEED 50 PSI. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL REDUCING VALVES AS REQUIRED.
5. EXPOSED PIPES TO ALL KITCHEN EQUIPMENT WITHIN SIGHT OF SEATING AREAS SHALL BE CHROME-PLATED OR STAINLESS STEEL.
6. P-TRAPS SHALL BE ADJUSTABLE CAST BRASS, COMPLETE WITH CLEANOUT.
7. ALL FLOOR OPENINGS FOR PIPING ARE TO BE SEALED WATERTIGHT BY MEANS OF SLEEVES.
8. FOOD SERVICE EQUIPMENT CONTRACTOR SHALL PROVIDE ALL EQUIPMENT TRIM, INCLUDING FAUCETS AND SINK WASTES AND SWING FAUCETS AT FURNISHED EQUIPMENT, AND SHALL BE INSTALLED BY THE PLUMBING CONTRACTOR.
9. ALL HORIZONTAL PIPING LINES EXTENDING AND CONNECTED TO EQUIPMENT SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATION AND NOT LESS THAN 6 INCHES ABOVE FLOOR TO PROVIDE CLEARANCE FOR CLEANING. AT WALL COLUMN OR WALL LOCATIONS, PIPING ROUGH-IN SHALL BE STUBBED IN WALLS WHEREVER POSSIBLE.
10. PLUMBING CONTRACTOR SHALL COORDINATE WITH KITCHEN EQUIPMENT CONTRACTOR FOR EXACT LOCATIONS OF FLOOR DRAINS AND STUBOUTS FOR KITCHEN EQUIPMENT FROM ROUGH-IN. ROUGH-IN SHALL TERMINATE WITH SERVICE VALVE WHERE APPLICABLE.
11. DRAINS FROM THE 3 COMPARTMENT SINK, PREP SINKS, ICE MAKER (IF NEEDED), REFRIGERATION (IF NEEDED) SODA DISPENSERS, SOUP STATION/FOOD WARMERS MAY NOT DISCHARGE IN A MANNER THAT WILL PERMIT THE FLOODING OF FLOORS. DRAIN TAILPIECES WILL BE REQUIRED TO BE REDUCED IN SIZE AS NECESSITATED TO ALLOW DRAINAGE WITHOUT FLOODING. ANY FLOODING DURING THE PRE-OPENING INSPECTION WOULD REQUIRE CORRECTION BEFORE LICENSING. CONTRACTOR TO CONFIRM PROPER INSTALLATION.
12. DRAINS AND ASSOCIATED PIPING RECEIVING INDIRECT DRAINAGE FROM A PASTA COOKER, STEAMER,TILTING KETTLE, DISHWASHER, GLASS WASHER AND / OR SIMILAR EQUIPMENT SHALL BE CAST IRON.
13. EXISTING AND / OR NEW EXPOSED SOIL OR WASTE PIPING INSTALLED ABOVE ANY WORKING, STORAGE OR EATING SURFACES SHALL BE PROVIDED WITH NECESSARY PROTECTION TO MAINTAIN HEALTH, SAFETY AND SANITATION OF FOOD SERVICE AREAS. PROVIDE SECONDARY CONTAINMENT, DRIP PANS AND / OR CEILING TO COMPLY WITH CODE REQUIREMENTS.

FIXTURE CONNECTION SCHEDULE

MARK	DESCRIPTION	WASTE	VENT	COLD	HOT (105˚F)	REMARKS
P-1A	WATER CLOSET ADA (FLUSH VALVE)	4"	2"	1"	–	WALL HUNG, ELONGATED BOWL / SEAT, CHECK HINGE, 1.28 GPF
P-1	WATER CLOSET ADA (FLUSH VALVE)	4"	2"	1"	–	WALL HUNG, ELONGATED BOWL / SEAT, CHECK HINGE, 1.28 GPF
P-2A	LAVATORY ADA	1-1/4"	1-1/2"	1/2"	1/2"	WALL HUNG, 0.50 GPM MIXING VALVE-SEE RISER DIAGRAM

NOTE: REFER TO KITCHEN CONSULTANTS FOOD SERVICE PLANS FOR KITCHEN EQUIPMENT CONNECTION SCHEDULE AND PLUMBING ROUGH-IN CONNECTIONS.

NOTE: REFER TO ARCHITECTURAL PLANS FOR PLUMBING FIXTURE SPECIFICATIONS.

PROVIDE COMPLETE CARBON MONOXIDE DETECTION SYSTEM FOR ALL TYPE 1 COOKING HOODS COMPLYING WITH 527 CMR AND NFPA.

CARBON MONOXIDE DETECTION SYSTEM SHALL BE HONEYWELL E3POINT CO SYSTEM. PROVIDE BASE UNIT, REMOTE SENSORS, SENSOR CARTRIDGES AND ALL ASSOCIATED ACCESSORIES FOR A COMPLETE OPERATIONAL SYSTEM.
GAS SOLENOID VALVE SHALL BE ASCO 2-WAY 2/2 SERIES 8215. COORDINATE SIZE WITH GAS PIPE SIZE.

PIPE INSULATION ALL DOMESTIC HOT, COLD & CIRCULATION WATER PIPING SHALL BE INSULATED AND MEET THE REQUIREMENTS OF THE JURISDICTION.

MINIMUM PIPE INSULATION THICKNESS (thickness in inches)

FLUID OPERATING TEMPERATURERANGE AND USAGE (˚F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (inches)				
	Conductivity Btu · in./(h · ft² · °F)	Mean Rating Temperature, °F	< 1	1 to < 1.5	1.5 to < 4	4 to < 8	≥ 8
> 350	0.32 – 0.34	250	4.5	5	5	5	5
251 – 350	0.29 – 0.32	200	3	4	4.5	4.5	4.5
201 – 250	0.27 – 0.30	150	2.5	2.5	2.5	3	3
141 – 200	0.25 – 0.29	125	1.5	1.5	2	2	2
105 – 140	0.21 – 0.28	100	1	1	1.5	1.5	1.5
40 – 60	0.21 – 0.27	75	0.5	0.5	1	1	1
< 40	0.20 – 0.26	75	0.5	1	1	1	1.5

a.For piping smaller than 11/2 inch (38 mm) and located in partitions within conditioned spaces, reduction of these thicknesses by 1 inch (25 mm) shall be permitted (before thickness adjustment required in footnote b) but not to a thickness less than 1 inch (25 mm).
b.For insulation outside the stated conductivity range, the minimum thickness (T) shall be determined as follows:
$T = r\{(1 + t/r)^{K/k} - 1\}$

where:
T=minimum insulation thickness,
r=actual outside radius of pipe,
t=insulation thickness listed in the table for applicable fluid temperature and pipe size,
K=conductivity of alternate material at mean rating temperature indicated for the applicable fluid temperature (Btu ×in/h ×ft2 ×˚F) and
k=the upper value of the conductivity range listed in the table for the applicable fluid temperature.
c. For direct-buried heating and hot water system piping, reduction of these thicknesses by 11/2 inches (38 mm) shall be permitted (before thickness adjustment required in footnote b but not to thicknesses less than 1 inch (25 mm).

PLUMBING LEGEND

- VENT PIPE (VP)
- SANITARY WASTE PIPE (SS)
- GW — GREASE WASTE PIPE (GW)
- DOMESTIC COLD WATER PIPE (CW)
- HOT WATER PIPE (140˚F)
- HOT WATER CIRCULATING PIPE (HWC)
- T — TEMPERED WATER PIPE (105˚F)
- F-CW — FILTERED WATER PIPE
- GAS — GAS PIPE
- SP — FIRE SPRINKLER PIPE (SP)
- PIPE DOWN
- PIPE UP
- EXISTING PIPE
- EXISTING PIPE TO BE REMOVED
- CAPPED OR PLUGGED PIPING
- SHUT OFF BALL VALVE
- BACKWATER VALVE
- CHECK VALVE
- BACKFLOW PREVENTER (BFP)
- GAS — GAS SHUT OFF COCK
- CIRCULATION PIPE BALANCING VALVE
- SHOCK/WATER HAMMER ARRESTOR
- PIPE UNION
- FLOOR DRAIN (FD)
- FLOOR SINK (FS)
- FLOOR CLEAN-OUT (FCO)
- OPEN SITE DRAIN (OSD)
- FUNNEL FLOOR DRAIN (FFD)
- HORIZONTAL CLEAN-OUT (HCO)
- ACCESS PANEL (AP)
- P — SANITARY WASTE RISER DESIGNATION
- W — WATER RISER DESIGNATION
- G — GAS RISER DESIGNATION
- GW — GREASE WASTE RISER DESIGNATION
- POINT OF CONNECTION NEW TO EXISTING
- POINT OF PIPING DISCONNECTION
- K9 — KITCHEN EQUIPMENT DESIGNATION
- P-1A — PLUMBING FIXTURE DESIGNATION

DRAWING LIST

P000 PLUMBING LEGEND & SPECIFICATIONS
P001 PLUMBING WASTE & VENT BASEMENT PLAN
P002 PLUMBING WATER & GAS BASEMENT PLAN
P003 PLUMBING WASTE & VENT FIRST FLOOR PLAN
P004 PLUMBING WATER & GAS FIRST FLOOR PLAN
P005 PLUMBING RISER DIAGRAMS
P006 PLUMBING RISER DIAGRAMS
P007 PLUMBING SCHEDULES & DETAILS

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
LICENSE No: 51186
EXPIRATION DATE: 06/30/24

NORTH ARROWS:

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TRUE NORTH

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1	ISSUE FOR PERMIT	2022-10-12

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PROJECT INFORMATION:

SCALE: As indicated
DRAWN BY: AK/KK/SM
CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

PLUMBING LEGEND & SPECIFICATIONS

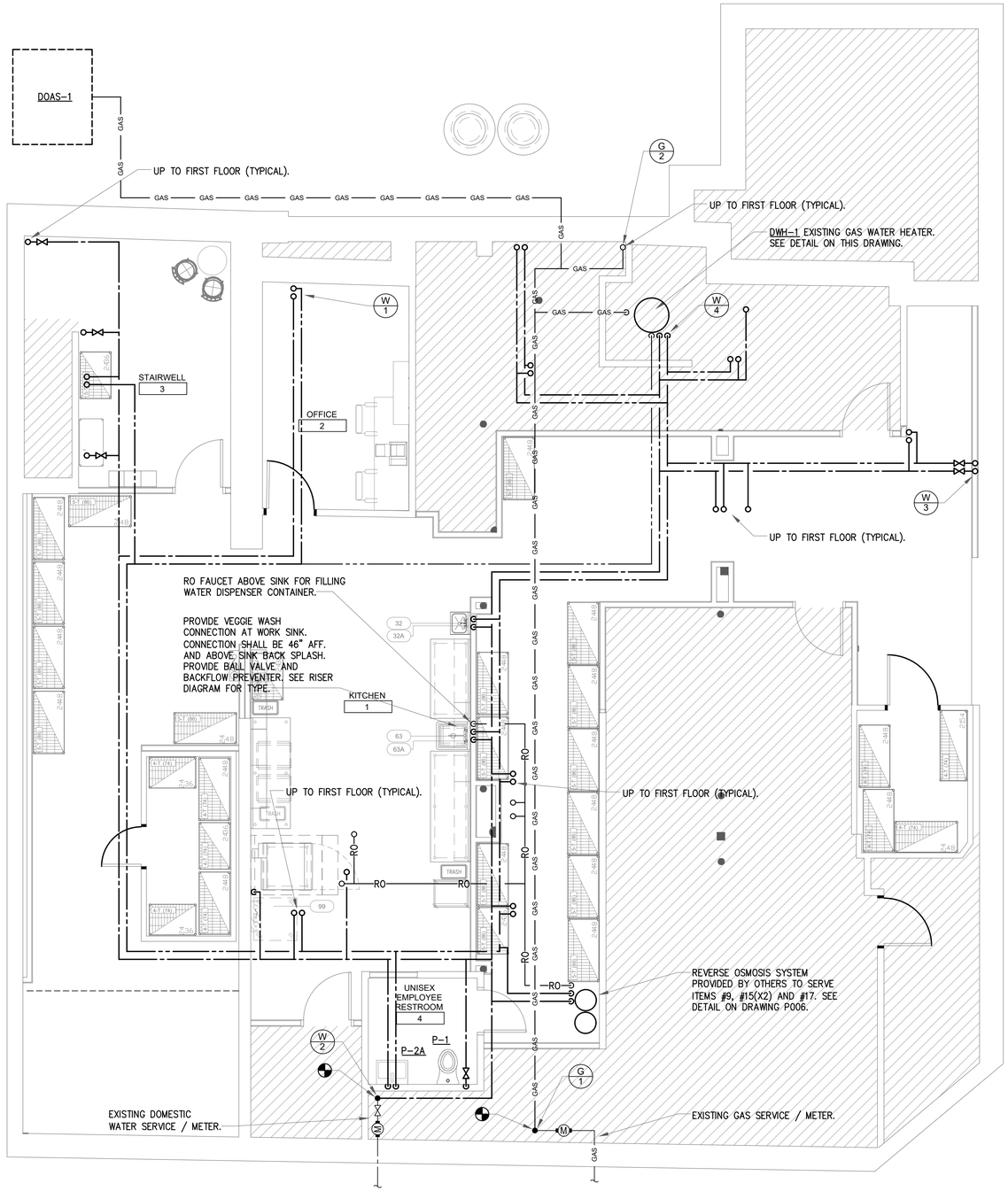
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ADAM R. KAPLAN
Reg. No. 51186
REGISTERED PROFESSIONAL ENGINEER

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43995 Falmouth Court
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540-734-4010

PROJECT No. : 0721-18

P000

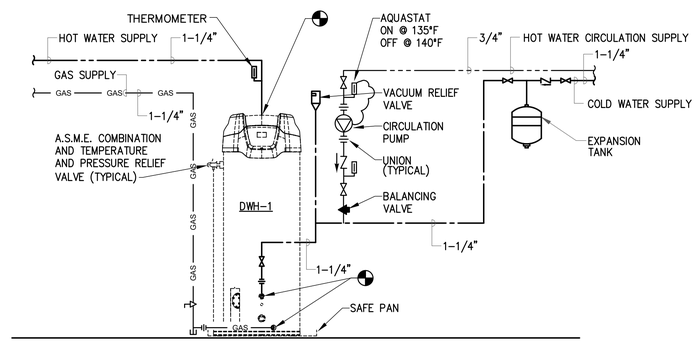


WATER & GAS PIPING PLAN - BASEMENT

SCALE: 1/4" = 1'-0"

REFER TO PLUMBING RISER DIAGRAMS FOR ALL PIPE SIZES

CONFIRM EXACT LOCATION OF ALL DEVICES WITH FOOD SERVICE & ARCHITECTURAL PLANS PRIOR TO ANY ROUGH-INS. CONTACT ARCHITECT FOR ANY CLARITY REQUIRED.



(EXISTING) GAS WATER HEATER DETAIL

NO SCALE

GAS WATER HEATER SCHEDULE

MARK	LOCATION	STORAGE GALLONS	GPH RECOVERY @ 100°F	INPUT MBH	ELEC.DATA V-P-Hz	STATE MODEL	REMARKS
DWH-1	BASEMENT	81	193	199	120/1/60	SBD-81-199NE	140°F OUTLET TEMP.

CIRCULATION PUMP
TO FURNISH 5 GPM @ 20' OF HEAD, 0.17 HP, BELL & GOSSETT CIRCULATOR NBF-45.

EXPANSION TANK
AMTROL "THERM-X-TROL" MODEL ST-12-C (4.4 GALLONS).

SEE ELECTRICAL DRAWINGS FOR POWER CONNECTIONS AND TIME CLOCK FOR RECIRCULATION PUMP.

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SCALE: 1/4" = 1'-0"
0 4' 8'

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
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PROJECT INFORMATION:

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JOB NO: 2022-3904

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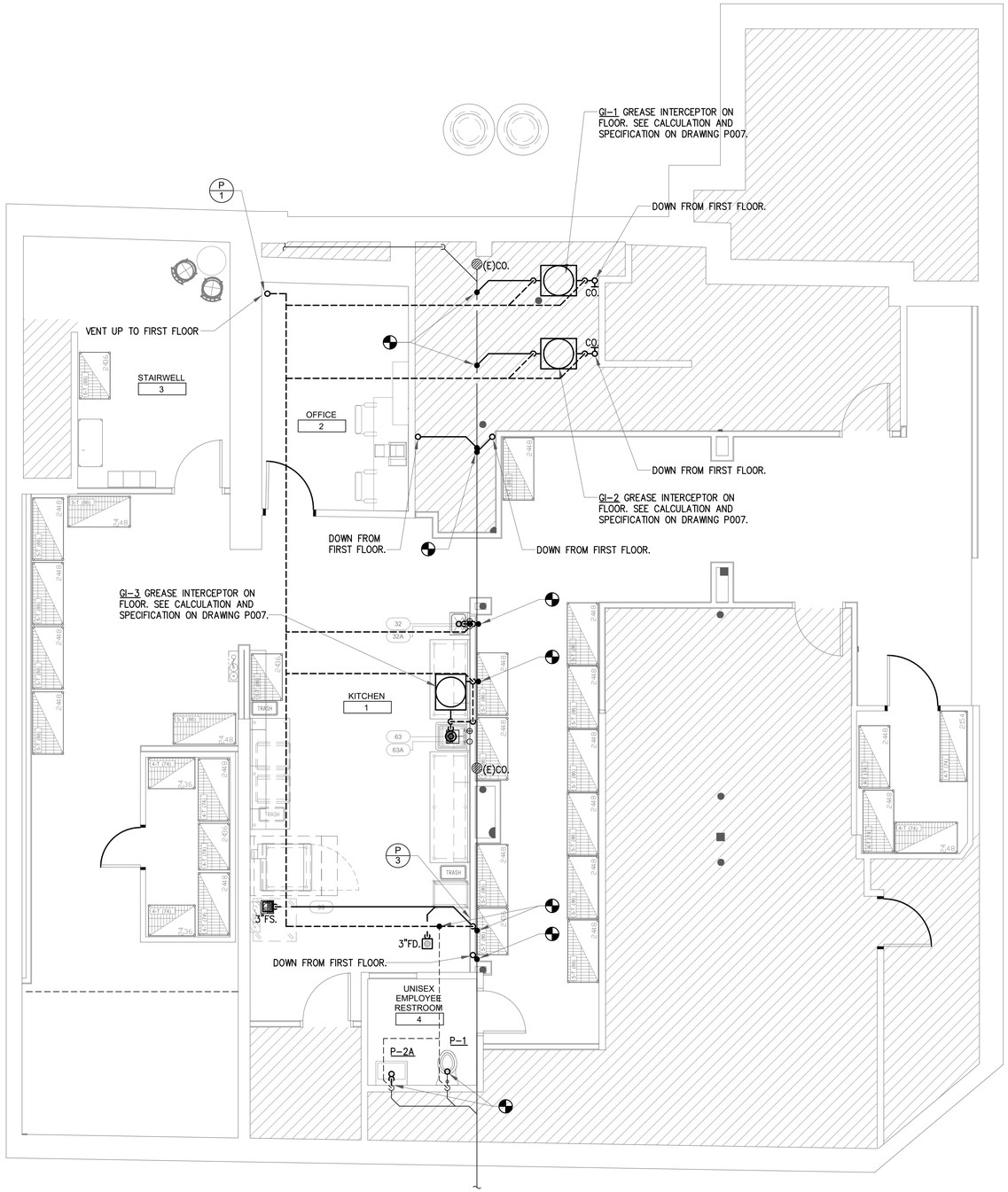
BASEMENT WATER & GAS PIPING PLAN

STAMP:

K2 Engineering, Inc.
43995 Falmouth Court
Ashburn, VA 20147
540-734-4010

PROJECT No. : 0721-18

P001



WASTE & VENT PIPING PLAN - BASEMENT

SCALE: 1/4" = 1'-0"

REFER TO PLUMBING RISER DIAGRAMS FOR ALL PIPE SIZES

CONFIRM EXACT LOCATION OF ALL DEVICES WITH FOOD SERVICE & ARCHITECTURAL PLANS PRIOR TO ANY ROUGH-INS. CONTACT ARCHITECT FOR ANY CLARITY REQUIRED.

SCALE: 1/4" = 1'-0"
0 4' 8'

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BASEMENT WASTE & VENT PIPING PLAN

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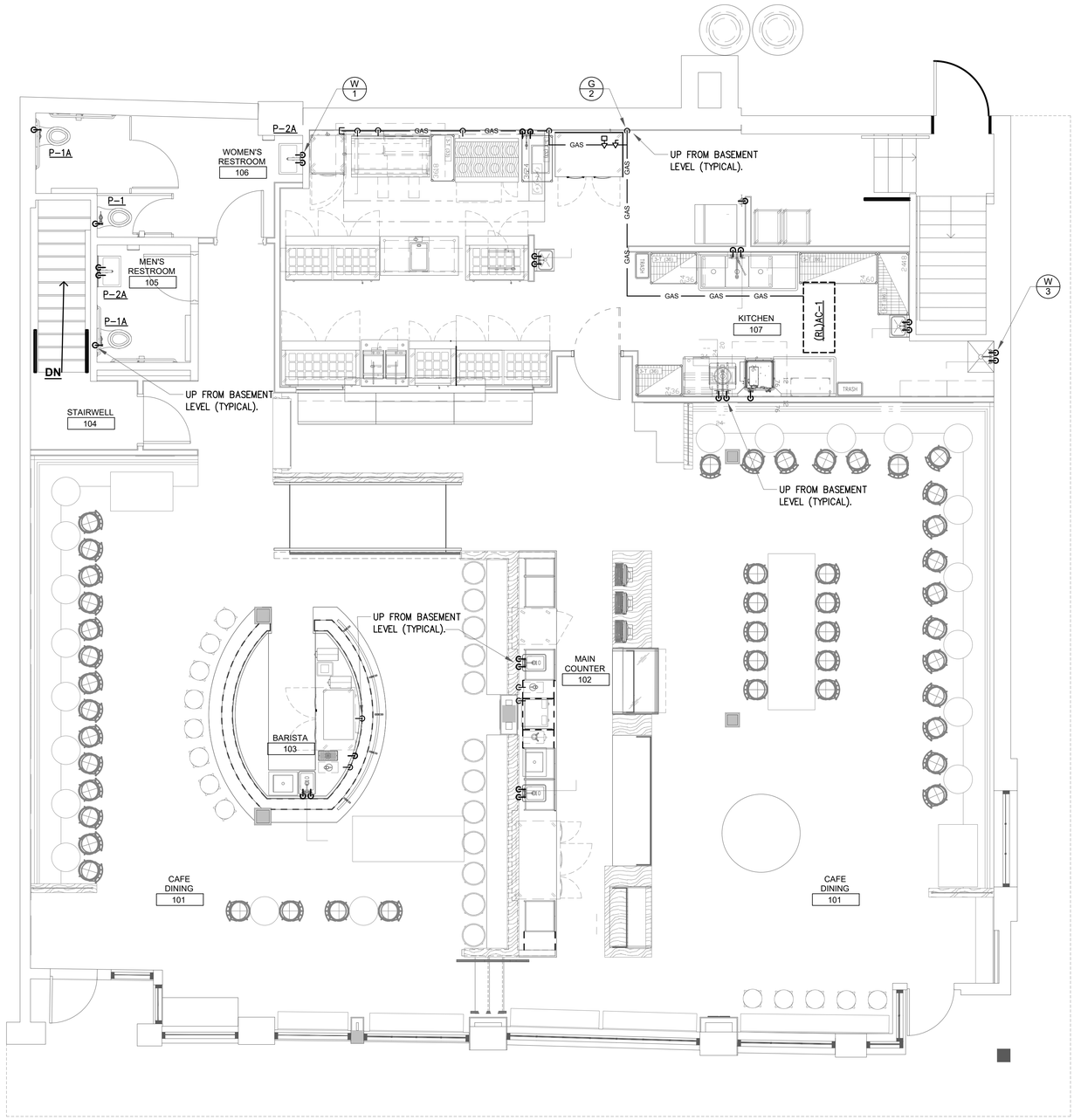
COMMONWEALTH OF MASSACHUSETTS
ADAM R. KOPEL
No. 51186
REGISTERED PROFESSIONAL ENGINEER

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EXPIRATION DATE: 06/30/24

PROJECT No. : 0721-18

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Ashburn, VA 20147
540-734-4010

P002



WATER & GAS PIPING PLAN - 1ST FLOOR

SCALE: 1/4" = 1'-0"

REFER TO PLUMBING RISER DIAGRAMS FOR ALL PIPE SIZES

CONFIRM EXACT LOCATION OF ALL DEVICES WITH FOOD SERVICE & ARCHITECTURAL PLANS PRIOR TO ANY ROUGH-INS. CONTACT ARCHITECT FOR ANY CLARITY REQUIRED.

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

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1ST FLOOR WATER & GAS PIPING PLAN

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REGISTERED
No. 51186
PROFESSIONAL ENGINEER

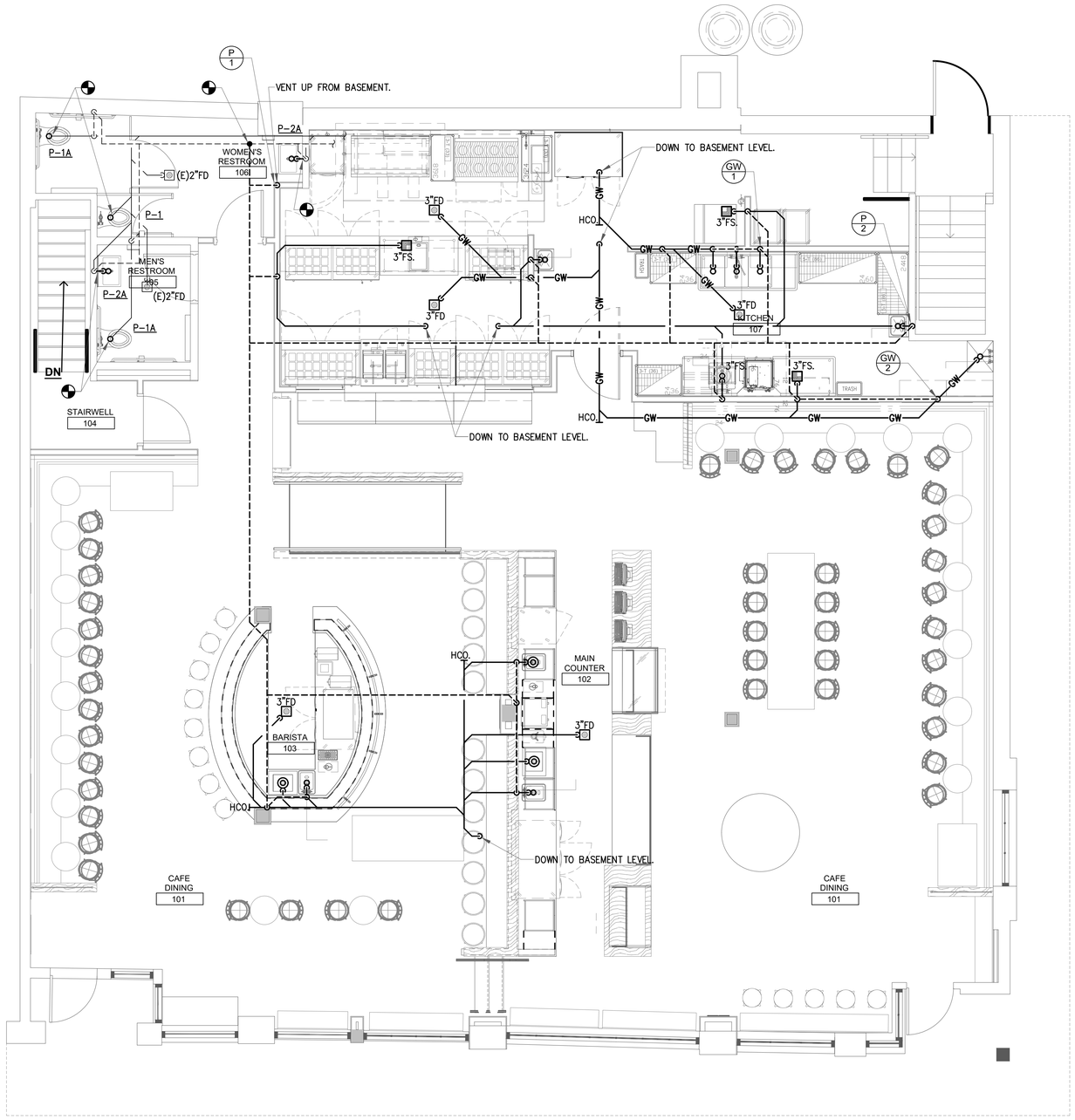
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EXPIRATION DATE: 06/30/24

SCALE: 1/4" = 1'-0"
0 4' 8'

PROJECT No. : 0721-18

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P003



WASTE & VENT PIPING PLAN - 1ST FLOOR

SCALE: 1/4" = 1'-0"

REFER TO PLUMBING RISER DIAGRAMS FOR ALL PIPE SIZES

CONFIRM EXACT LOCATION OF ALL DEVICES WITH FOOD SERVICE & ARCHITECTURAL PLANS PRIOR TO ANY ROUGH-INS. CONTACT ARCHITECT FOR ANY CLARITY REQUIRED.

SCALE: 1/4" = 1'-0"
0 4' 8'

NORTH ARROWS:

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SHEET TITLE:

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No. 51186
PROFESSIONAL ENGINEER

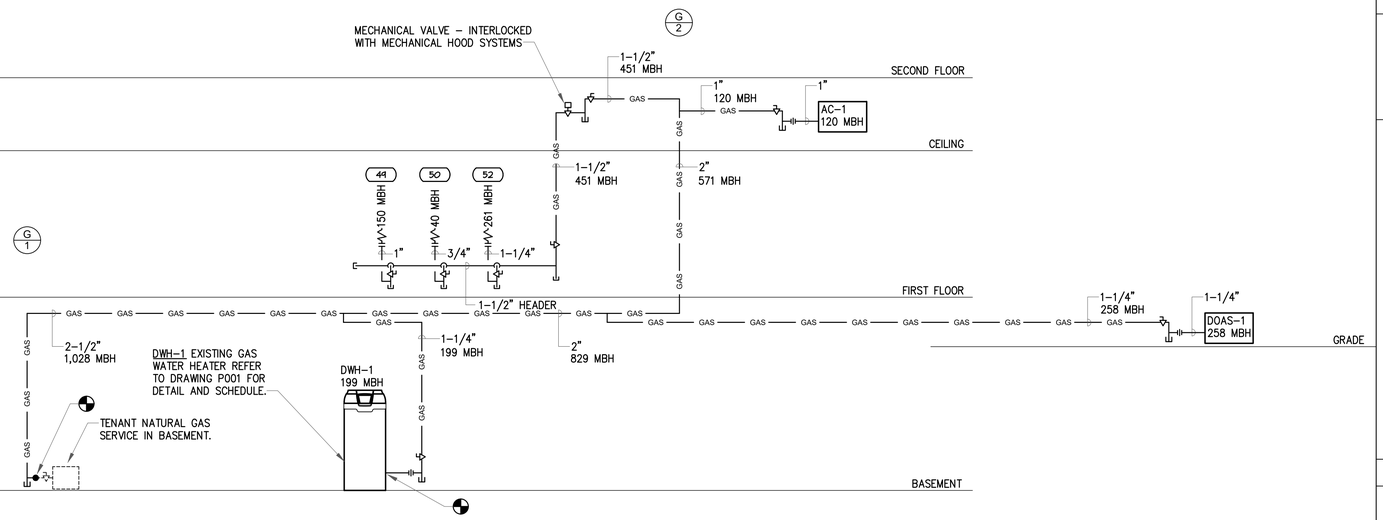
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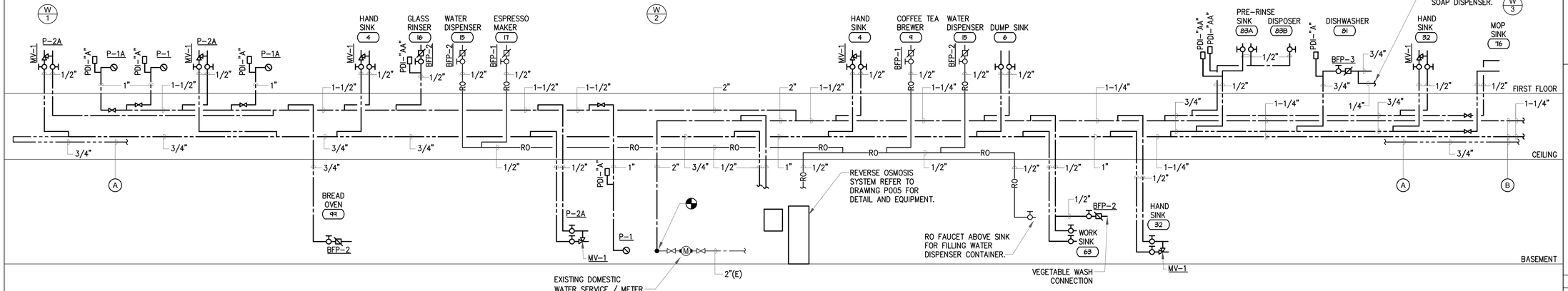
P004

NATIONAL FUEL GAS CODE SIZING CHART TBL. 6.2.1(b) LESS THAN 2.0 P.S.I. (SCHEDULE 40 METALLIC PIPE)
INLET PRESSURE: LESS THAN 2.0 PSI PRESSURE DROP: 0.5 IN W.C. SPECIFIC GRAVITY: 0.60
TOTAL DEVELOPED LENGTH = 130'-0" TOTAL CONNECTED LOAD = 1,028 MBH



GAS RISER DIAGRAM

NO SCALE



MIXING VALVES

MV-1: WATTS SERIES LFMMV (ASSE 1017, 1069 & 1070) SET TEMPERATURE @ 110°F

MV-2: CALEFFI SERIES 520 (ASSE 1017) SET TEMPERATURE @ 100°F

EQUIPMENT BACKFLOW PREVENTERS

BFP-1: WATTS SD-3 (ASSE 1022)

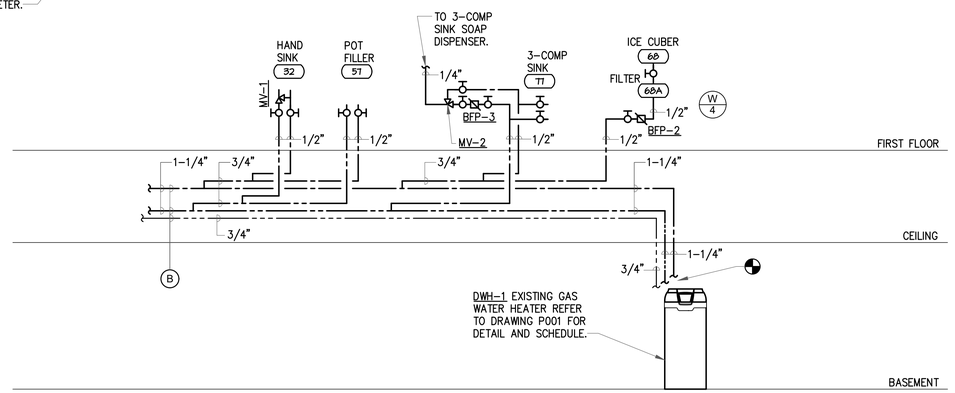
BFP-2: WATTS SERIES LF7 (ASSE 1024)

BFP-3: WATTS SERIES 009 (ASSE 1013)

WATER HAMMER ARRESTERS

SIZE BASED ON PDI STANDARDS

PDI UNITS	FIXTURE UNITS
AA	1-3
A	1-11
B	12-32
C	33-60



DOMESTIC WATER RISER DIAGRAM

NO SCALE

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PLUMBING RISER DIAGRAMS

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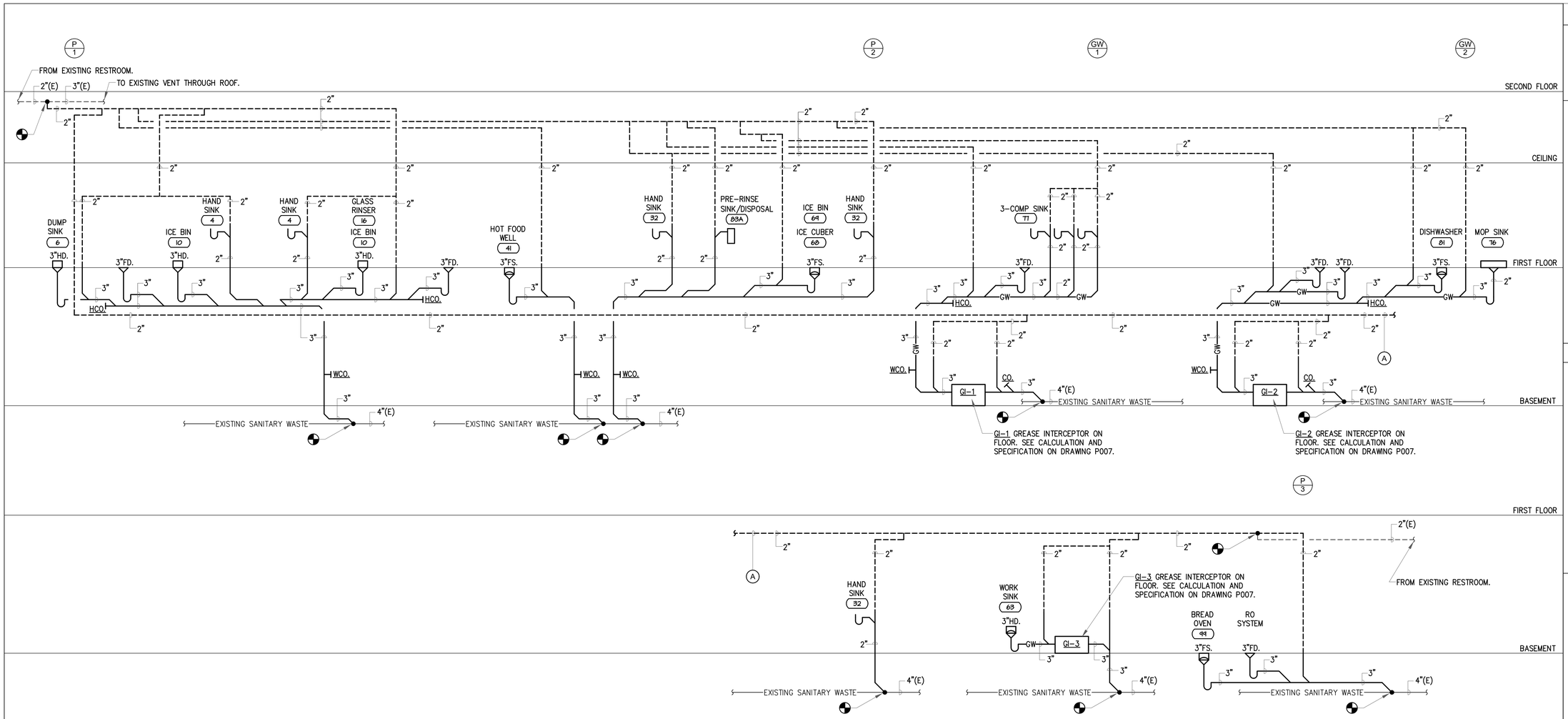
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540-734-4010

PROJECT No. : 0721-18

P005



SANITARY & GREASE WASTE RISER DIAGRAMS

NO SCALE

TRAP PROTECTION
PROVIDE RECTOR SEAL 'SURE SEAL' ON EACH FLOOR DRAIN NOT RECEIVING INDIRECT DRAINAGE.

INDIRECT DRAINAGE
PROVIDE AIR GAP PER CODE REQUIREMENTS FOR ALL INDIRECT WASTE DRAINAGE.

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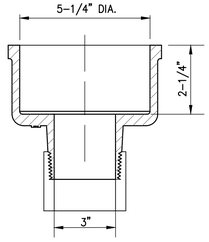
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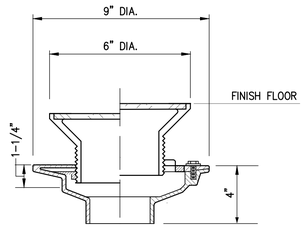
P006



(MAIN COUNTER & BARISTA) — JOSAM 88600

CABINET DRAIN DETAIL (MAIN COUNTER & BARISTA)

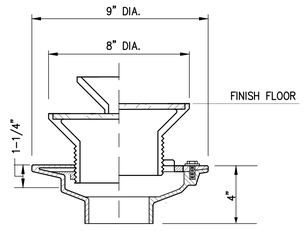
NO SCALE



(RESTROOM) — ZURN ZN-415-6B-P
(KITCHEN FD) — ZURN ZN-415-8B

FLOOR DRAIN DETAIL

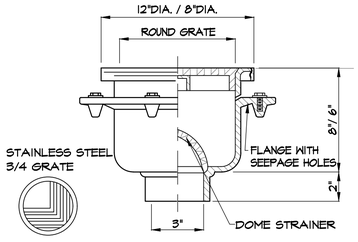
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(FFD) — ZURN Z-415-7E (4"ø FUNNEL)

FUNNEL FLOOR DRAIN DETAIL

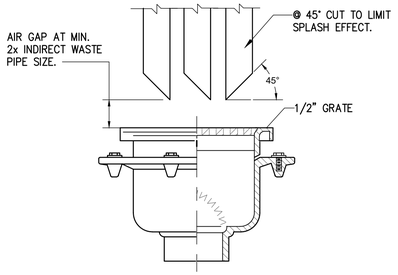
NO SCALE



FS (1) 8"DIA. X 6" DEEP = ZURN Z-1960-KC (1 TO 2 INDIRECT WASTE LINES)
FS (1) 12"DIA. X 8" DEEP = ZURN Z-1950-KC (3 OR MORE INDIRECT WASTE LINES)

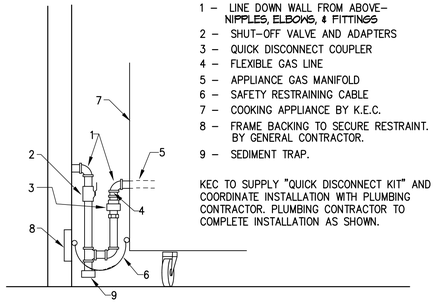
ROUND FLOOR SINK DETAIL

NO SCALE



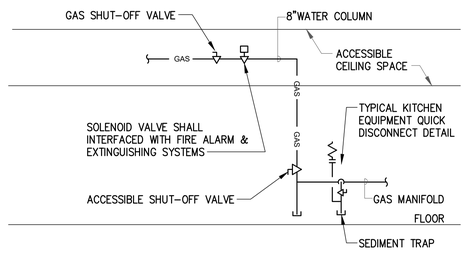
FLOOR SINK AIR GAP DETAIL

NO SCALE



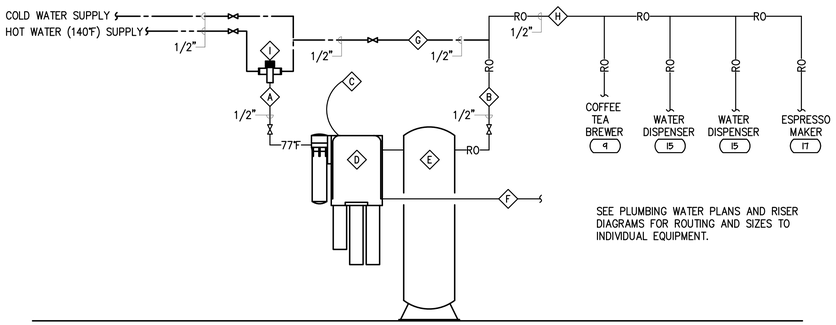
QUICK DISCONNECT DETAIL

KITCHEN COOKING EQUIPMENT
NO SCALE



COOKING EQUIPMENT MANIFOLD LOW PRESSURE GAS VALVING DETAIL

NO SCALE



SEE PLUMBING WATER PLANS AND RISER DIAGRAMS FOR ROUTING AND SIZES TO INDIVIDUAL EQUIPMENT.

REVERSE OSMOSIS SYSTEM SCHEMATIC

NO SCALE

A. TEMPERED (77°F) DOMESTIC WATER SUPPLY TERMINATION POINT BY PLUMBING CONTRACTOR. 1/2" THREADED FEMALE CONNECTION.

B. REVERSE OSMOSIS (RO) TERMINATION POINT BY PLUMBING CONTRACTOR. 1/2" THREADED FEMALE CONNECTION.

C. TO 120 / 208 VOLT SUSTAINABLE POWER SUPPLY BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL PLANS FOR CONNECTION.

D. WALL MOUNTED REVERSE OSMOSIS (RO) SYSTEM FINISHED AND INSTALLED BY OWNER VENDOR.

E. REVERSE OSMOSIS (RO) TANK FURNISHED AND INSTALLED BY OWNER VENDOR.

F. WASTEWATER DRAIN LINE PUMPED BY INTEGRAL PUMP FURNISHED AND INSTALLED BY OWNER VENDOR AND EXTEND TO DRAIN INDIRECTLY.

G. REVERSE OSMOSIS (RO) BYPASS WITH VALVE (NORMALLY CLOSED) BY PLUMBING CONTRACTOR.

H. REVERSE OSMOSIS (RO) DISTRIBUTION PIPING TO BE INSTALLED AND PROPERLY AND VISIBLY LABELED BY PLUMBING CONTRACTOR.

I. THERMOSTATIC MIXING VALVE TO BE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR. HONEYWELL AM-1 1070 SERIES. SET OUTLET TEMPERATURE TO 77°F.

GI-1 GREASE INTERCEPTOR CALCULATION

CALCULATIONS BASED ON MASSACHUSETTS PLUMBING CODE 248 CMR AND PDI-G 101

FIXTURE	FIXTURE FLOW RATE	FIXTURE QUANTITY	TOTALS
MARK: (ITEM 77) FIXTURE: 3-COMPARTMENT SINK COMPARTMENT SIZE: 18" X 18" X 14" = 4,536 CUBIC INCHES TOTAL SINK VOLUME (4,536/231 X 3) = 58.9 GALLONS ACTUAL SINK VOLUME (75% X 58.9 GALLONS) = 44.2 GALLONS	44.2 GPM	1	44.2 GPM
TOTAL FLOW RATE	=		44.2 GPM
TOTAL SYSTEM DRAIN TIME (2 MINUTE FLOW DEVICE)	=	44.2 GPM / 2 MINUTE FLOW DEVICE	= 22.1 GPM
CAPACITY OF GREASE INTERCEPTOR	=	25 GPM TOTAL FLOW / 50 POUND GREASE RETENTION	
PROTOTYPE: SCHIER PRODUCTS MODEL GB1. 25 GPM FLOW RATE. 64.9 LBS. GREASE CAPACITY. PROVIDE WITH 2 MINUTE FLOW CONTROL DEVICE.			

GI-2 GREASE INTERCEPTOR CALCULATION

CALCULATIONS BASED ON MASSACHUSETTS PLUMBING CODE 248 CMR AND PDI-G 101

FIXTURE	FIXTURE FLOW RATE	FIXTURE QUANTITY	TOTALS
MARK: (ITEM 81) FIXTURE: DISHWASHER DISCHARGE DRAIN RATE: 0.87 GPM	0.87 GPM	1	0.87 GPM
MARK: (ITEM 76) FIXTURE: MOP SINK FAUCET	2.5 GPM	1	2.5 GPM
TOTAL FLOW RATE	=		3.37 GPM
TOTAL SYSTEM DRAIN TIME (1 MINUTE FLOW DEVICE)	=	1 GPM	
CAPACITY OF GREASE INTERCEPTOR	=	20 GPM TOTAL FLOW / 40 POUND GREASE RETENTION	
PROTOTYPE: SCHIER PRODUCTS MODEL GB1. 20 GPM FLOW RATE. 70 LBS. GREASE CAPACITY. PROVIDE WITH 1 MINUTE FLOW CONTROL DEVICE.			

GI-3 GREASE INTERCEPTOR CALCULATION

CALCULATIONS BASED ON MASSACHUSETTS PLUMBING CODE 248 CMR AND PDI-G 101

FIXTURE	FIXTURE FLOW RATE	FIXTURE QUANTITY	TOTALS
MARK: (ITEM 63) FIXTURE: 1-COMPARTMENT WORK SINK COMPARTMENT SIZE: 20" X 20" X 14" = 5,600 CUBIC INCHES TOTAL SINK VOLUME (5,600/231 X 1) = 24.2 GALLONS ACTUAL SINK VOLUME (75% X 24.2 GALLONS) = 18.15 GALLONS	18.1 GPM	1	18.1 GPM
TOTAL FLOW RATE	=		18.1 GPM
TOTAL SYSTEM DRAIN TIME (1 MINUTE FLOW DEVICE)	=	18.1 GPM	
CAPACITY OF GREASE INTERCEPTOR	=	20 GPM TOTAL FLOW / 40 POUND GREASE RETENTION	
PROTOTYPE: SCHIER PRODUCTS MODEL GB1. 20 GPM FLOW RATE. 70 LBS. GREASE CAPACITY. PROVIDE WITH 1 MINUTE FLOW CONTROL DEVICE.			

NORTH ARROWS:



ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

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SCALE: As indicated
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CHECKED BY: AK/KK/SW
JOB NO: 2022-3904

SHEET TITLE:

PLUMBING SCHEDULES & DETAILS

STAMP:



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS,
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EXPIRATION DATE: 06/30/24

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540-734-4010

PROJECT No. : 0721-18

P007

FIRE ALARM SPECIFICATIONS

1. MODIFY THE EXISTING BASE BUILDING FIRE ALARM SYSTEM AS INDICATED, IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S WRITTEN INSTRUCTIONS AND COMPLYING WITH APPLICABLE PORTIONS OF NEC AND NECA'S "STANDARD OF INSTALLATION".

   NUMBER OF CONDUCTORS, SIZE, TYPE AND COLOR CODE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS. INSTALL PER MANUFACTURER'S POINT-TO-POINT WIRING DIAGRAM. DETERMINE EXACT NUMBER OF WIRES FOR EACH FIRE AREA ZONE FROM NUMBER AND TYPES OF DEVICES INSTALLED.

   WHERE THERE ARE A NUMBER OF POWER REQUIRING DEVICES, SUCH AS SMOKE DETECTORS, FAN RELAYS, DOOR HOLDERS, STROBE LIGHTS AND SMOKE DAMPER OPERATORS INSTALLED IN A CIRCUIT, GROUP IN NUMBERS SO POWER REQUIRED DOES NOT EXCEED 80% OF MANUFACTURER'S POWER SUPPLY RATING. PROVIDE EXTRA WIRING, OR EXTRA POWER SUPPLIES (DACT'S) REQUIRED TO FULFILL THAT REQUIREMENT. IN ADDITION, PROVIDE EXTRA OR LARGER SIZE WIRING TO ALLEVIATE VOLTAGE DROPS WHICH MAKES DEVICE OPERATED BEYOND VOLTAGE LIMITS FOR WHICH IS WAS DESIGNED. DETERMINE ABOVE WITH MANUFACTURER'S REPRESENTATIVE WHILE EQUIPMENT IS BEING INSTALLED.

   PROVIDE ALL MODIFICATIONS, ADDITIONAL ZONE MODULES, SYSTEM SOFTWARE/HARDWARE UPGRADES AND SYSTEM CONFIGURATIONSTO THE EXISTING FACP FOR COMPLETE TENANT COVERAGE.

2. SUBMIT SIX COPIES OF SHOP DRAWINGS TO ARCHITECT FOR REVIEW, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   a. WIRING DIAGRAMS: DETAIL WIRING AND DIFFERENTIATE BETWEEN MANUFACTURER-INSTALLED AND FIELD-INSTALLED WIRING. INCLUDE DIAGRAMS FOR EQUIPMENT AND FOR SYSTEM WITH ALL TERMINALS AND INTERCONNECTIONS IDENTIFIED. INCLUDE ALL NEW AND EXISTING FIRE ALARM DEVICES ON THE FLOOR PLANS.
   b. SYSTEMS OPERATION DESCRIPTION: DETAILED DESCRIPTION FOR THIS PROJECT, INCLUDING METHOD OF OPERATION AND SUPERVISION OF EACH TYPE OF CIRCUIT AND SEQUENCE OF OPERATIONS FOR MANUALLY AND AUTOMATICALLY INITIATED SYSTEM INPUTS AND OUTPUTS. MANUFACTURER'S STANDARD DESCRIPTIONS FOR GENERIC SYSTEMS ARE NOT ACCEPTABLE.
   c. SYSTEM RISER DIAGRAM: CONDUIT SIZES, CABLE, WIRE TYPES AND SIZES.
   d. DUCT SMOKE DETECTORS: PERFORMANCE PARAMETERS AND INSTALLATION DETAILS FOR EACH DETECTOR, VERIFYING THAT EACH DETECTOR IS LISTED FOR THE COMPLETE RANGE OF AIR VELOCITY, TEMPERATURE AND HUMIDITY POSSIBLE WHEN AIR-HANDLING SYSTEM IS OPERATING. DUCT DETECTORS CAPABLE OF RESET BY BOTH THE FIRE ALARM CONTROL PANEL AND ANNUNCIATOR PANEL.
   e. DUCTWORK COORDINATION DRAWINGS: PLANS, SECTIONS AND ELEVATIONS OF DUCTS DRAWN TO SCALE AND COORDINATING THE INSTALLATION OF DUCT SMOKE DETECTORS AND ACCESS TO THEM. SHOW CRITICAL DIMENSIONS THAT RELATE TO PLACEMENT AND SUPPORT OF SAMPLING TUBES, THE DETECTOR HOUSING, AND REMOTE STATUS AND ALARM INDICATORS. LOCATE DETECTORS ACCORDING TO MANUFACTURER'S WRITTEN RECOMMENDATIONS.
   f. FLOOR PLANS: INDICATE FINAL DEVICE LOCATIONS. SHOW SIZE AND ROUTE OF CABLE AND CONDUITS.
   g. INDICATE ALL MODIFICATIONS, ADDITIONS AND CONNECTIONS TO THE EXISTING FACP FOR PROPER COMMUNICATION WITH TENANT AREA DEVICES AND THE BUILDING'S FIRE ALARM SYSTEM.
   h. SUBMITTALS TO AUTHORITIES HAVING JURISDICTION: MAKE AN IDENTICAL SUBMITTAL TO AUTHORITIES HAVING JURISDICTION. TO FACILITATE REVIEW, INCLUDE COPIES OF ANNOTATED CONTRACT DRAWINGS AS NEEDED TO DEPICT COMPONENT LOCATIONS. RESUBMIT IF REQUIRED TO MAKE CLARIFICATIONS OR REVISIONS TO OBTAIN APPROVAL. ON RECEIPT OF COMMENTS FROM AUTHORITIES HAVING JURISDICTION, SUBMIT THEM TO ARCHITECT FOR REVIEW AND RESPONSES PRIOR TO RE-SUBMISSION TO AUTHORITIES HAVING JURISDICTION.
3. REFER TO DRAWING E001 FOR ADDITIONAL SPECIFICATIONS PERTAINING TO GENERAL CONSTRUCTION.
4. ALL DEVICES TO COMPLY WITH ADA REQUIREMENTS. ALL MATERIALS AND INSTALLATION SHALL COMPLY WITH NFPA, IBC BUILDING CODE, LOCAL CODES, ADA AND THE NATIONAL ELECTRIC CODE.
5. CONTRACTOR SHALL COORDINATE ALL WIRING REQUIREMENTS WITH BASE BUILDING'S FIRE ALARM SYSTEM'S MANUFACTURER'S RECOMMENDATION. ALL WIRING SHALL BE RUN IN CONDUIT AS REQUIRED.
6. CONTRACTOR SHALL FURNISH AND INSTALL ALL FIRE ALARM DEVICES, WIRING AND RELATED DEVICES, FINAL WIRING TERMINATION'S TO THE FACP. ALL DEVICES SHALL BE FROM SAME MANUFACTURER AS THE BASE BUILDING FIRE ALARM CONTROL PANEL.
7. REFER TO FLOOR PLAN FOR LOCATION AND NUMBER OF DEVICES.
8. THE DRAWINGS INDICATE MINIMUM REQUIREMENTS. CONTRACTOR SHALL INCLUDE IN PROJECT, ADDITIONAL DEVICES REQUIRED TO MEET THE REQUIREMENTS SPECIFIED BY THE LOCAL BUILDING CODES AND AS APPROVED BY THE LOCAL FIRE MARSHAL.
9. INTERRUPTION OF EXISTING FIRE ALARM SERVICE: DO NOT INTERRUPT FIRE ALARM SERVICE TO FACILITIES OCCUPIED BY OWNER OR OTHERS UNLESS PERMITTED UNDER THE FOLLOWING CONDITIONS AND THEN ONLY AFTER ARRANGING TO PROVIDE TEMPORARY GUARD SERVICE ACCORDING TO REQUIREMENTS INDICATED:
   a. NOTIFY OWNER NO FEWER THEN TWO DAYS IN ADVANCE OF PROPOSED INTERRUPTION OF FIRE ALARM SERVICE.
   b. DO NOT PROCEED WITH INTERRUPTION OF FIRE ALARM SERVICES WITHOUT OWNER'S PERMISSION
10. EXISTING FIRE ALARM SYSTEM:
    a. COMPATIBILITY WITH EXISTING EQUIPMENT: FIRE ALARM SYSTEM AND COMPONENTS SHALL OPERATE AS AN EXTENSION OF AN EXISTING SYSTEM.
11. CONNECTING TO EXISTING EQUIPMENT: VERIFY THAT EXISTING FIRE ALARM SYSTEM IS OPERATIONAL BEFORE MAKING CHANGES OR CONNECTIONS.
    a. CONNECT NEW EQUIPMENT TO THE BASE BUILDING'S CONTROL PANEL TO OPERATE AS AN EXTENSION OF AN EXISTING SYSTEM.
    b. EXPAND, MODIFY AND SUPPLEMENT THE EXISTING CONTROL AND MONITORING EQUIPMENT AS NECESSARY TO EXTEND THE EXISTING CONTROL AND MONITORING FUNCTIONS TO THE NEW POINTS. NEW COMPONENTS SHALL BE CAPABLE OF MERGING WITH THE EXISTING CONFIGURATION WITHOUT DEGRADING THE PERFORMANCE OF EITHER SYSTEM.
12. FIELD QUALITY CONTROL:
    a. MANUFACTURER'S FIELD SERVICE: ENGAGE A FACTORY-AUTHORIZED SERVICE REPRESENTATIVE TO INSPECT FIELD-ASSEMBLED COMPONENTS AND CONNECTIONS AND TO SUPERVISE PRETESTING, TESTING AND ADJUSTMENT OF THE SYSTEM. REPORT RESULTS IN WRITING.
    b. PRETESTING: AFTER INSTALLATION, ALIGN, ADJUST AND BALANCE THE SYSTEM AND PERFORM COMPLETE PRETESTING. DTERMINE, THROUGH PRETESTING, THE COMPLIANCE OF THE SYSTEM WITH REQUIREMENTS OF DRAWINGS AND SPECIFICATIONS. CORRECT DEFICIENCIES OBSERVED IN PRETESTING. REPLACE MALFUNCTIONING OR DAMAGED ITEMS WITH NEW ONES, AND RETEST UNTIL SATISFACTORY PERFORMANCE AND CONDITIONS ARE ACHIEVED. PREPARE FORMS FOR SYSTEMATIC RECORDING OF ACCEPTANCE OF TEST RESULTS.
    c. REPORT OF PRETESTING: AFTER PRETESTING IS COMPLETE, PROVIDE A LETTER CERTIFYING THE INSTALLATION IS COMPLETE AND FULLY OPERABLE, INCLUDING THE NAMES AND TITLES OF WITNESSES TO PRELIMINARY TESTS.
    d. FINAL TEST NOTICE: PROVIDE A MINIMUM OF 10 DAYS NOTICE IN WRITING WHEN THE SYSTEM IS READY FOR FINAL ACCEPTANCE TESTING.
    e. MINIMUM SYSTEM TESTS: TEST THE SYSTEM ACCORDING TO PROCEDURES OUTLINED IN NFPA 72.
    f. FIELD VERIFY AND ADJUST ALL EXISTING AND NEW STROBE DEVICES SO THAT MORE THAN TWO VISIBLE STROBE DEVICES IN SAME ROOM OR ADJACENT SPACE WITHIN THE FIELD OF VIEW FLASH IN SYNCHRONIZATION.

FIRE ALARM LEGEND

P	HOOD SUPPRESSION SYSTEM RELEASE MANUAL PULL STATION.
F 15	STROBE, 6'-8" A.F.F. NUMBER DENOTES CANDELA RATING. (MUST CONFORM WITH NFPA SPECIFICATIONS).
F 15 C	AUDIBLE/VISUAL DEVICE (STROBE/SPEAKER) DEVICE, 6'-8" A.F.F. NUMBER DENOTES CANDELA RATING. SUBLETTER 'C' DENOTES A CEILING MOUNTED DEVICE. (MUST CONFORM WITH NFPA SPECIFICATIONS.)
P 15	HOOD SUPPRESSION SYSTEM ACTIVATION NOTIFICATION DEVICE – AUDIBLE/VISUAL DEVICE (STROBE/SPEAKER) DEVICE, 6'-8" A.F.F. NUMBER DENOTES CANDELA RATING. SUBLETTER 'C' DENOTES A CEILING MOUNTED DEVICE. (MUST CONFORM WITH NFPA SPECIFICATIONS.)
F	FIRE ALARM BEACON.
F	MANUAL PULL STATION, 48" A.F.F.
R	FIRE ALARM RELAY/INTERFACE.
M	FIRE ALARM MONITORING MODULE/INTERFACE.
S	SMOKE DETECTOR.
H	HEAT DETECTOR.
S	SMOKE DETECTOR W/ AIR SAMPLING TUBE THROUGH RETURN AIR DUCT. PROVIDE REMOTE LED INDICATOR & RESET AT CEILING BELOW.
F.A.T.	FIRE ALARM TERMINATION CABINET (F.A.T.).
FACP	FIRE ALARM CONTROL PANEL. 6'-0" A.F.F. TO TOP (FACP).
LED C	LED INDICATOR LIGHT, CEILING MOUNTED, FOR RTU SMOKE DETECTOR.
F E 15	EXISTING DEVICES.

NORTH ARROWS:

PLAN NORTH
TRUE NORTH

ISSUE	DESCRIPTION	DATE
1	ISSUE FOR PERMIT	2022-10-12

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SCALE:	As indicated
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CHECKED BY:	AK/KK/SW
JOB NO:	2022-3904

SHEET TITLE:

FIRE ALARM LEGEND & SPECIFICATIONS

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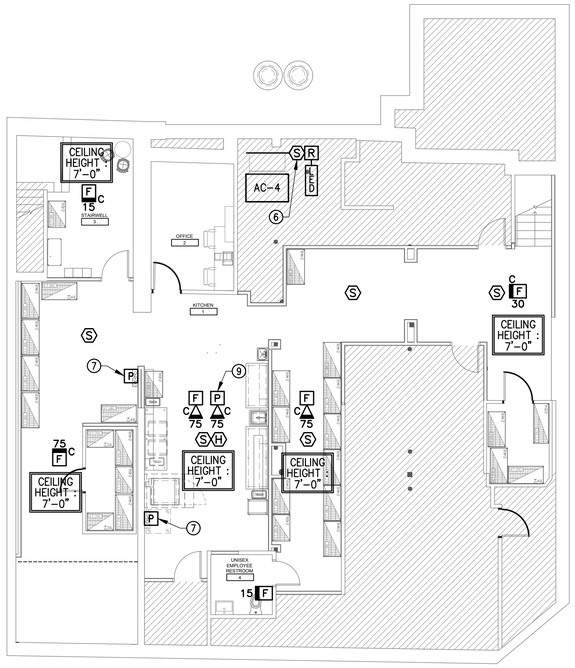
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ADAM B. KRELL
No. 51186
REGISTERED PROFESSIONAL ENGINEER

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MASSACHUSETTS, LICENSE No: 51186
EXPIRATION DATE: 06/30/24

PROJECT No. : 0721-18

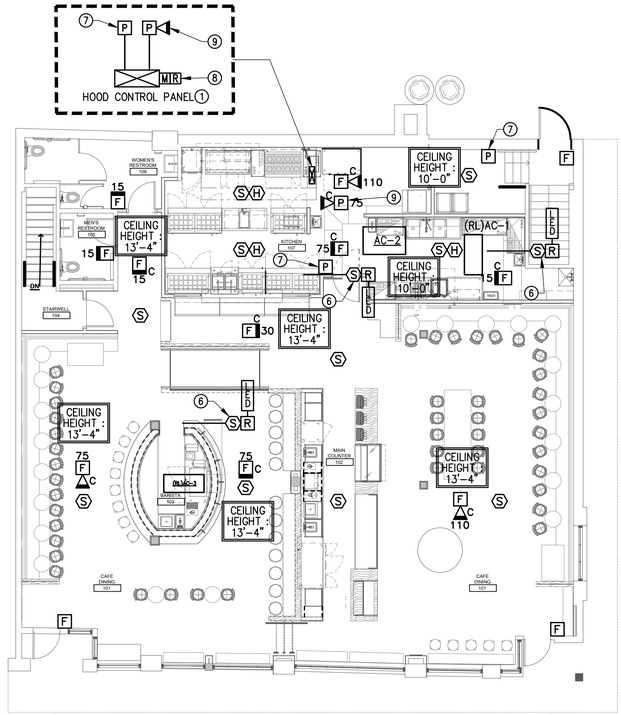
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FIRE ALARM PLAN - BASEMENT

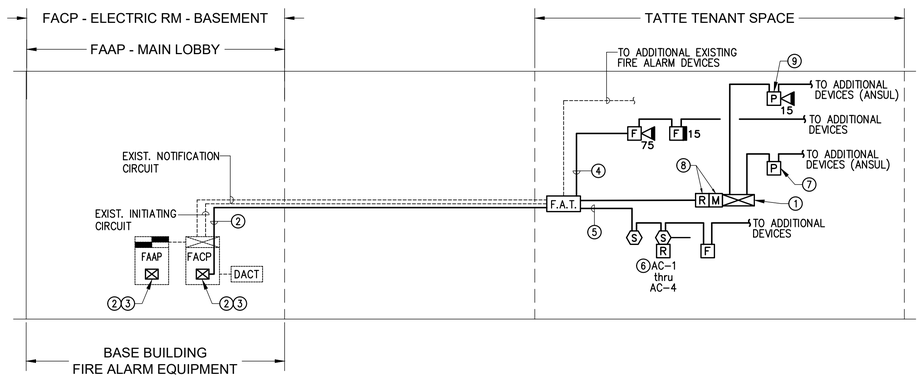
SCALE: 1/4" = 1'-0"



FIRE ALARM PLAN - 1ST FLOOR

SCALE: 1/4" = 1'-0"

CEILING-MOUNTED NOTIFICATION DEVICE MATRIX		
CEILING HEIGHT	MINIMUM DEVICE RATING	MAXIMUM DEVICE COVERAGE
20'-0"	30	20'-0" x 20'-0"
20'-0"	45	30'-0" x 30'-0"
20'-0"	80	40'-0" x 40'-0"
20'-0"	115	50'-0" x 50'-0"



FIRE ALARM RISER DIAGRAM

NO SCALE

NOTES:

1. HOOD CONTROL PANEL & FIRE SUPPRESSION SYSTEM. PROVIDE MONITORING & ACTIVATION INTERFACE BY THE BASE BUILDING FIRE ALARM SYSTEM.
2. PROVIDE MODIFICATION TO THE BASE BUILDING EXISTING FIRE ALARM SYSTEM FOR CONTROL AND MONITORING OF HOOD CONTROL PANEL AND ANSUL SYSTEM. PROVIDE ALL INTERFACE MODULES, RELAYS, WIRING AND CONNECTIONS PER FIRE ALARM SYSTEM AND SUPPRESSION SYSTEM MANUFACTURER'S RECOMMENDATIONS. PROVIDE MODIFICATIONS TO EXISTING BUILDING'S FIRE ALARM SYSTEM ANNUCIATOR PANEL FOR HOOD CONTROL AND SUPPRESSION SYSTEM (ALARM SIGNAL – LED). PROVIDE CIRCUITING PER MANUFACTURER'S RECOMMENDATIONS
3. COORDINATE ALL WORK WITH OWNER PRIOR TO ANY CONNECTION TO EXISTING BASE BUILDING SYSTEM. COORDINATE SYSTEM OUTAGE WITH OWNER PRIOR TO START OF WORK.
4. PROVIDE NOTIFICATION CIRCUIT WIRING/RACEWAY AND CONNECT TO FIRE ALARM SYSTEM, TYPICAL FOR ALL NOTIFICATION DEVICES.
5. PROVIDE INITIATING CIRCUIT WIRING/RACEWAY AND CONNECT TO FIRE ALARM SYSTEM.
6. PROVIDE SMOKE DETECTOR WITH AIR SAMPLING TUBE THRU RETURN AIR DUCT. CONNECT DEVICE TO SHUT DOWN ASSOICATED UPON ACTIVATION.
7. HOOD SUPPRESSION SYSTEM RELEASE STATION WITH INTERLOCK TO ANSUL SUPPRESSION SYSTEM. INITIATION THRU MANUAL PULL STATION & ACTIVATION OF NOTIFICATION DEVICE UPON ALARM SIGNAL.
8. FIRE ALARM INTERFACE FOR ANSUL SYSTEM ACTIVATION AND MONITORING.
9. ANSUL SYSTEM ACTIVATION NOTIFICATION DEVICE.

GENERAL NOTES:

1. PROVIDE FIRE ALARM TERMINATION BOX IN AN ACCESSIBLE LOCATION. PROVIDE FIRE ALARM CIRCUITING PER BASE BUILDING FIRE ALARM SYSTEMS MANUFACTURER'S RECOMMENDATIONS. REFER TO FLOOR PLAN FOR QUANTITY AND LOCATION OF DEVICES. ALL CONNECTIONS TO BASE BUIDLING FIRE ALARM SYSTEM SHALL BE COORDINATED WITH LANDLORD'S FIRE ALARM CONTRACTOR.
2. NO DEVICES SHALL BE LOCATED ON MAIN COUNTER AND BARISTA SOFFIT.
3. ALL NOTIFICATION DEVICES SHALL BE WHITE.
4. FIRE ALARM TIE-IN AND REPROGRAMMING AT/TO THE BASE BUILDING FIRE ALARM SYSTEM MUST BE COMPLETED BY BASE BUILDING FIRE ALARM CONTRACTOR. COORDINATE ALL WORK WITH LANDLORD.

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LICENSE No: 51186
EXPIRATION DATE: 06/30/24

SCALE: 1/8" = 1'-0"
0 8' 16'

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PLAN NORTH
TRUE NORTH

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JOB NO: 2022-3904

SHEET TITLE:

BASEMENT & 1ST FLOOR FIRE ALARM PLAN

STAMP:

ADAM B. KNOX REGISTERED No. 51186 COMMONWEALTH OF MASSACHUSETTS REGISTERED PROFESSIONAL ENGINEER

FA001